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REGULATIONS

FOR THE

EQUIPMENT OF THE REGULAR ARMY.

Part I.—Sections I–XVI.

PEACE.

WAR OFFICE, 1895.

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REGULATIONS

FOR THE

EQUIPMENT OF THE REGULAR ARMY.

Part I.—Sections I–XVI.

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WHEREAS Our Principal Secretary of State for the War Department has submitted to Us consolidated and revised General Regulations for the Equipment of Our Army and the Armament of Our Works of Defence; and whereas We have been pleased to approve the same;

OUR WILL AND PLEASURE IS that these Regulations be the sole and standing authority on the matter herein treated of, excepting all matters relating to the equipment of such part of Our Army as may be stationed in Our Indian Empire; provided always, that Our Principal Secretary of State shall, until Our further pleasure be made known, have full power to make, with regard to the details of equipment, and to the general arrangements for equipment applicable in time of war, such additional Regulations, or modifications in the Regulations attached to this Our Warrant, as may be necessary in the interests of Our Service. The administration and interpretation of these Regulations shall likewise rest with Our Principal Secretary of State.

Our Warrant of the 25th of January, 1890, and the Regulations established thereby, are hereby cancelled.

Given at Our Court at Balmoral, this 25th day of September, 1895, in the 59th year of Our Reign.

By Her Majesty's Command,

LANSDOWNE.

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DEFINITIONS.

N.B.—The following terms used in these Regulations will have the signification shown :—

Unit	Units are bodies of troops each under a separate Commanding Officer who is an Accountant.
Accountant	Any Officer who receives and holds Army Equipment, and renders to the War Office a ledger account of the same.
Commanding Officer....	The Officer Commanding any Unit.
Commissary-General of Ordnance	The Officer at the head of the Ordnance Store Department at the Royal Arsenal, Woolwich.
Senior Ordnance Store Officer	The Officer at the head of the Ordnance Store Department in any Military Command.
Ordnance Store Officer	The Officer in charge of Stores.
Regimental Artificers	Non-commissioned Officers and Soldiers on the Regimental Establishment as Artificers, receiving pay as such, for the performance of special work.
Military Tradesmen....	Tradesmen enlisted as Soldiers, and receiving pay as such, but available when required for employment in their trades, receiving extra working pay.

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ABBREVIATIONS.

A. & S.	Ammunition and Store.	O.R.	Other Ranks.
B.L.	Breech-loading.	P.	Pebble ($\frac{5}{8}$-inch cubical).
C.I.	Cast-iron.	P.^{2}	Pebble ($1\frac{1}{2}$-inch cubical).
D.P.	Drill purposes.	R.B.L.	Rifled Breech-loading.
F.G.	Fine Grain.	R.F.G.	Rifle Fine Grain.
F.S.	Field Service.	R.L.G.	Rifle Large Grain.
G.S.	General Service.	R.M.L.	Rifled Muzzle-loading.
L.G.	Large Grain.	S.A.	Small-arm.
L.S.	Land Service.	S.A.A.	Small-arm Ammunition.
M.-H.	Martini-Henry.	S.B.	Smooth Bore.
M.-M.	Martini-Metford.	S.S.	Staff Serjeants.
M.L.	Muzzle-loading.	V.E.	Valise Equipment.
M.L.-M.	Magazine Lee-Metford.	W.G.	Wire Gauge.
N.P.	New Pattern.	W.I.	Wrought-iron.
O.P.	Old Pattern.	Wt.O.	Warrant Officer.

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PART 1.—GENERAL REGULATIONS.

PEACE.

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PART 1.—GENERAL REGULATIONS.

PEACE.

SECTION I.—DUTIES OF OFFICERS.

I.—Introductory.
II.—Duties of General Officers Commanding.
III.—Duties of Commanding Officers.

I.—INTRODUCTORY.

Strict adherence to Regulations enjoined.

1. The following Regulations for the equipment of the Regular Army and for the maintenance of the armaments of works, are promulgated for the information and guidance of Officers concerned. The proportions of ammunition and stores, materials for repair, tables of duration, and details of equipment contained therein will be strictly adhered to. Regulations relating exclusively to Artillery will be found in Part 2, Artillery Special Instructions and Details.

Definitions.

2. For definitions of the terms describing Commanding and other Officers in these Regulations, *see* page iv.

Nomenclature.

3. In describing stores, in equipment ledgers, requisitions, &c., the designations and store charge divisions of the Vocabulary issued by the War Office will be strictly followed. Articles not included in the Vocabulary will be headed "Not in Vocabulary" and grouped under the several store charges to which from the nature of the articles or their intended use they would properly apply. They will also be described by drawings or otherwise, where requisite, in order to obviate the necessity of making further reference. In giving dimensions, feet and inches are always to be expressed in words.

Drawings.

Dimensions.

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II.—DUTIES OF GENERAL OFFICERS COMMANDING.

General responsibility.

4. General Officers Commanding will be careful to keep themselves informed as to the condition and completeness of the armaments and equipments in their respective commands, and will satisfy themselves that the articles which would be drawn from Ordnance Store in their districts on mobilization are serviceable, complete, and conveniently stored for issue.

Issues in excess of authorised proportions.

5. The General Officer Commanding will be responsible that equipment of all kinds is issued to the troops for service purposes, in accordance with the authorised proportions, but in cases in which it is found necessary that these should be exceeded, he will give authority in writing to the Senior Ordnance Store Officer to provide for the requirements of the service according to circumstances.

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Report of excess issues.

6. The General Officer Commanding will report full details of such excess issue, to the War Office in a quarterly report to be rendered on Army Form G 1056. Such report should state whether the issues are of a temporary nature on loan, or are to be considered as a permanent addition to an establishment.

Delay in supply.

7. In the event of any unnecessary delay occurring in the supply of equipment, the General Officer Commanding will report the circumstance, with the explanation of the Senior Ordnance Store Officer, to the War Office.

III.—DUTIES OF COMMANDING OFFICERS.

Responsibility of Commanding Officers.

8. Commanding Officers will be held directly responsible that their equipments are in a serviceable condition, in proper working order, complete in all their details, and in the authorised proportions, unless otherwise specially ordered. They will make frequent inspections of the whole of the equipments of the men and horses under their command; and when any defects are discovered therein, will at once take steps to have them remedied.

In case of change of pattern, &c.

9. They will be held responsible, in the case of alterations of pattern, or of changes in the proportions in which articles forming their equipments are issued, that the necessary action is taken to provide for such changes.

Alterations of articles of equipment forbidden.

10. Alterations of articles of equipment involving any departure from the sealed patterns, either for experiment or any other purpose, are strictly forbidden without the previous sanction of the Secretary of State.

Regimental Board on change of command.

11. On a change of command a Regimental Board will be assembled to take stock of the equipment and verify the ledger balance. Both the incoming and

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the outgoing officers, or their representatives, should be present and sign the Proceedings, which will be certified in the form shown in Appendix I and accompany the regimental equipment ledger, on transmission of the latter as laid down in that Appendix.

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On transfer of charge of armaments.

12. In the case of a transfer of charge of the equipment of a sub-district in an Artillery District, the verification of the stores in connection with the armaments by a Board of Officers, need not be carried out unless at the request of either of the Officers concerned. Should such a request be made by either the Officer handing over, or the one taking over charge, the Officer Commanding Royal Artillery will appoint a Board of Officers for the purpose. Should no Board be assembled, the Officer taking over charge will be held responsible for the correctness of the stores taken over by him, as shown by the balance on the 31st of the previous March, subject to the variation caused by subsequent duly vouched store transactions.

Deficiencies in equipments.

13. When deficiencies or damages are discovered on a transfer of the equipment and stores, the value of the articles deficient, or the cost of making good the damages, will be recovered from the Officer giving over the command, unless he has been relieved of the responsibility by authority of the Secretary of State. Where any loss, injury, or deterioration of equipment, other than personal, is clearly traceable to the neglect of a subordinate, the Commanding Officer who is liable may apply through the General Officer Commanding to the Secretary of State to be relieved of the cost of replacing or repairing such stores. In the case of personal equipment, the usual steps will be taken to recover the cost of replacing or repairing.

Information to Ordnance Store Department.

14. In order to facilitate the maintenance of the equipment reserves, Commanding Officers will at all times furnish the Ordnance Store Officers with such information as they may require regarding the state of the equipments in their charge.

Correspondence with Ordnance Store Department.

15. All communications connected with the supply of equipment, whether authorised by, or in excess of, regulation, will be addressed to the Senior Ordnance Store Officer, who will, if necessary, take the orders of the General Officer Commanding on the subject.

Steps to be taken in the event of delay in supply

16. Should there be any inconvenient delay in the supply of any articles of equipment, the Commanding Officer will bring the same to the notice of the General Officer Commanding.

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SECTION II.—GENERAL SUPPLY OF EQUIPMENT.

I.—Estimates for Equipment.
II.—Requisitions for Equipment.
III.—Receipt and Inspection of Equipment.
IV.—Return of Equipment into Store.
V.—Boards of Survey and Courts of Inquiry.
VI.—Equipment Accounts and Claims against Corps.

I.—ESTIMATES FOR EQUIPMENT.

Estimates of Corps.

17. Officers to whom stores are supplied may be required to furnish annually to the Ordnance Store Department estimates of their probable requirements for the ensuing year. The dates by which estimates are to be sent in will be notified in local orders. Estimates should be prepared with the greatest care, in order that the Ordnance Store Department may accurately anticipate the wants of the service.

Care in framing.

Services for which annual estimates are not required.

18. As a general rule, annual estimates will not be required for the supply of articles necessary to maintain the efficiency of the equipments of men and horses, or of the equipments of the Field Artillery, Units of Royal Engineers, and Mounted Companies of the Army Service Corps; but officers who are likely to require renewal or exchange of any considerable part of their equipment, will give early intimation of the same to the Senior Ordnance Store Officer.

Information in all store estimates.

19. Estimates will be prepared in duplicate on Army Form G 999 (for all services except for Royal Artillery Districts), care being taken that the several columns are duly completed. They will show the data on which they are prepared, the cost the annual consumption,

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the total numbers on hand of the stores estimated for and the purposes for which they are required; they will also show the cost of any article proposed to be made by military tradesmen, or to be procured locally where there is no representative of the Ordnance Store Department; and they will contain references to any special applications and orders respecting the articles estimated for.

Estimates in excess of regulation.

20. Stores required in excess of the regulated proportions, or of a description different from the authorised patterns, will not be inserted in the estimates unless previous sanction has been given for such supplies; and such entries must be supported by a reference to the authority in each case.

Artillery.

21. Further and more detailed instructions for the preparation of the Royal Artillery estimates will be found in Part 2, Artillery Special Instructions and Details.

II.—REQUISITIONS FOR EQUIPMENT.

Requisitions to be made direct on Senior Ordnance Store Officer.

22. Officers who are direct accountants with the War Office for any portion of the service equipments will put forward requisitions for munitions of war, stores, and materials, to maintain the equipments for which they severally account, as well as for the training and service of their units generally. The requisitions will be prepared on the authorised forms, in strict accordance with the details for the various corps laid down in Part 2, and the instructions in paragraph 5, pages iv and v of Part I of the priced Vocabulary of Stores, 1893. The authority under which the stores are demanded will be quoted in the column of remarks. Requisitions will be sent direct to the Senior Ordnance Store Officer by the officer requiring the stores on the dates given in paragraph 24.

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Preparation of.

A.O. 58, 1892.

Armourer not available for regimental marking.

23. Where the services of an armourer are not available for marking arms regimentally, requisitions for arms will show the corps marks and numbers that the arms should receive, in order that they may be marked by the Ordnance Store Department before issue.

Requisitions to be made periodically.

Exceptional requisitions.

24. Requisitions for equipment and for materials for its preservation, and for veterinary stores, will, except in cases of emergency, be made quarterly, on the 1st March, 1st June, 1st September, and 1st December. An exception as regards veterinary stores will, however, be made at Woolwich, where the requirements of the troops will be provided for by the District Veterinary Officer, and the following classes of stores will also be treated exceptionally:—stable necessaries, materials for the repair

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of arms, accoutrements, harness and saddlery, and artificers' tools, will be demanded annually, on the 1st March (except under the circumstances mentioned in paragraph 366); paint, and materials for the repair of carriages, on the 1st September; and practice and exercise ammunition as laid down in Part 1, Section V, and Part 2. Camp equipment will be demanded when required, under Part 1, Section VIII.

Articles not to be replaced unless thoroughly unserviceable.

25. Requisition will not be made for equipment to replace articles deemed unserviceable, until the Commanding Officer has satisfied himself that they are thoroughly unserviceable or cannot be repaired by the means at his disposal, notwithstanding that such articles may have already been in use for the period of duration assigned to them under Part 1, Section XV. Special authority will be required to support the exchange of any equipment still serviceable, or capable of being repaired regimentally.

On change of pattern.

26. On notification of a change of pattern, involving the immediate withdrawal of that in use, requisitions will be made without delay for the new equipment; but a Commanding Officer is not entitled to demand any article from store on account of any preference which he may have for a particular pattern, as in time of peace it will sometimes be necessary to issue articles which have been longest in store, irrespectively of pattern.

Equipment to be completed before going on service abroad.

27. When units are placed under orders for service abroad, Commanding Officers will at once make requisition upon the Senior Ordnance Store Officer, for all articles which may be required to complete the equipments of their corps, according to the scales authorised for the particular service.

Regimental transport.

28. When regimental transport does not accompany the unit on embarkation, all stores appertaining thereto, as shown in the corps details, will be omitted from the requisitions, and any article of this nature that may be in possession will be dealt with as laid down in paragraph 140.

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From officers commanding detachments, who are not accountants.

29. In the event of officers commanding regimental detachments who are not accountants, requiring articles of fixed equipment, they will prepare and forward the requisitions for the same to the officers commanding their respective units for signature, before sending them to the Ordnance Store Department. The issue will then be made, and will be an issue to the officer commanding the unit, a temporary receipt being taken by the Ordnance Store Officer from the Officer in command of the detachment concerned, until the usual receipt and issue vouchers have been passed between the Ordnance Store Officer and the head-quarters of the unit accounting for the stores.

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Should the articles be urgently required, the Ordnance Store Officer will make the issue at once, and the officer commanding the detachment will be responsible for the stores until he has procured a covering requisition from his commanding officer, and the vouchers have been passed.

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Intermediate requisitions objectionable.

30. With a view to obviating the necessity for intermediate demands, Officers Commanding should cause a careful inspection of the equipment to be made at the time of the preparation of the quarterly requisitions. To meet immediate and unforeseen requirements, spare articles of equipment are supplied. Where accoutrements are lost, as for example through desertion, or arms are damaged to such an extent that the armourer cannot repair them, the wants can be temporarily met by using the equipment of men who are for the time non-effective.

Deficiencies to be temporarily met

Issues on payment.

31. Articles of store, ammunition excepted, are not issuable to commanding or other officers on payment, in time of peace, except by order of the Secretary of State.

Mode of repayment.

[54 Gen. No. 4929]

32. The value of stores issued on repayment, and of ammunition under paragraphs 164 and 168 will be recovered by the district paymaster, priced vouchers on Army Form G 1024 being furnished by the Ordnance Store Officer making the issue.

Misappropriation of stores

33. Stores for maintaining equipments, are not to be appropriated to other purposes without special authority, obtained through the Senior Ordnance Store Officer.

Troops to draw their own stores.

34. When stores have been reported as ready for issue, the troops will, if within a reasonable distance from the store depôt, arrange for their conveyance.

[54 Art. 1276]

Small-arm ammunition not drawn on leaving station.

35. When troops are ordered to leave a station before the issues on requisitions for small-arm ammunition that have been sent in are completed, the officer commanding the unit about to march, will prepare for the counter-signature of the Senior Ordnance Store Officer a statement showing the quantity of ammunition that will not be drawn in that district, and this certified statement will become the authority of the Officer Commanding to obtain the ammunition by requisition on the Ordnance Store Department at the station to which he is proceeding, the statement alluded to being attached to the requisition.

36. The supply of all equipment, except ammunition, due to units proceeding from one district to another is dealt with in the Ordnance Store Regulations.

[14 Engineers 8544]

Equipment left behind on change of station by R.E.

37. When field companies of the Royal Engineers exchange stations, a portion of the equipment will be left behind by the out-going company and taken over by the in-coming company at each station. An officer of each company will proceed, within a week in advance, to the

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new station, to take over the stores to be left behind by the out-going company. The transfer of stores will be carried out in the manner laid down in paragraph 90.

A list of the stores that will usually be transferred by field companies is given in Part 2, Section X.

Forms for requisitions.

38. When the requisitions for camp equipment or materials for repair are large, the equipment forms with printed details will be used; but when small, the blank forms specially provided for such cases, Army Forms G 997 and G 1027, will be rendered.

Tools.

39. Tools for mounted services are issued to units, and held on charge by them in complete chests, and should be so demanded when required. A. O. 71, 1891.

Exchange of Tools.

40. When however small quantities of tools are required to be exchanged as unserviceable, they must be shown in detail in the requisition, for which purpose, either Army Form G 997, or a manuscript requisition may be used.

Leather straps for gun carriages, &c.

41. Leather straps required for the various natures of gun carriages, limber wagons, and other vehicles used in the several branches of the army are detailed in Tables, which should be demanded from the Commissary General of Ordnance through the Senior Ordnance Store Officer. Commanding Officers when demanding these straps will show in detail in their requisition the sizes of the straps, and the service for which they are required, in strict accordance with the detail given in the Tables. 57 Gen. No. 3023

III.—RECEIPT AND INSPECTION OF EQUIPMENT.

Inspections of packages on receipt from carriers.

42. When equipment is received by the troops the Officers or others receiving it will, before giving a receipt to the carrier, ascertain that the various packages are in good order and condition. Should any appear to have been damaged in transit either by wet or otherwise, or to have been tampered with, the circumstances will be recorded on the bill of lading or carrier's note and pointed out to the person conveying the stores, the packages being opened, if necessary, in his presence.

Inspection.

43. The stores will be examined, as soon as possible after receipt, in the presence of not less than two officers, one being the Officer responsible for the equipment or an officer deputed by him.

Weighing of stores.

44. All packages will be weighed before being opened, and the ascertained weight compared with that marked on the outside. Should these weights differ in any instance, the contents will be at once counted, and compared with the numbers given on the packing note which each package should contain.

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45. Stores received by number and weight will be counted and weighed, in order to ascertain whether they are correct in both respects. Number and weight.

46. In reporting any discrepancy, the fullest information should be given, all numbers and weights, and any marks upon the packages giving evidence of their having been tampered with, being carefully recorded. The packages, with their notes and all wrappers, should be retained until the inquiry closes. Discrepancy.

47. The equipment will be carefully inspected, to determine that the articles delivered agree with the particulars in the vouchers, and that they are correct in point of quality and pattern. Inspection of equipment.

48. Should the above precautions be omitted, the officer receiving the stores will render himself liable for any discrepancies. Receiving officer's liability.

49. The hermetically closed cases in which fuzes, tubes, and certain other articles are issued, will not be opened. These cases with their contents, as well as packages containing small-arm ammunition and gunpowder, will be taken on charge unopened. Any defects or discrepancies which may be discovered when the stores are subsequently inspected or used, will be at once reported, and all names, dates, and marks upon the cases will be quoted. Ammunition and combustible stores in hermetically closed cases.

50. Objections that may arise on the ground of equipment being of an inferior quality, of an obsolete pattern, or for any other cause, will, if possible, be made by the Commanding Officer before the articles are taken on charge, as after the receipt has been signed the responsibility for the condition of the stores will devolve upon him. It must be understood that serviceable articles are not to be objected to on account of their being part worn. Objections to equipment.

51. Should any discrepancies be discovered, or any articles be found damaged or unsuitable, the Commanding Officer, after endeavouring to ascertain the cause of loss or damage, will bring the matter to the notice of the Senior Ordnance Store Officer of the district from which the issue had been made. Report of discrepancies.

52. A Commanding Officer in receipt of articles of equipment which are not brought on charge, will, pending the result of a report on their condition, be held responsible for their safe custody until a decision has been given as to their disposal, when he will either take them on charge or return them to store, as may be ordered. He will also be held responsible for the immediate return to store of any equipment issued to him, which, in cases of emergency, he may be unable to take on charge. Should he fail to carry out these instructions, he will be liable for any loss that may ensue. Commanding Officers responsible for safe custody of stores not taken on charge.

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IV.—RETURN OF EQUIPMENT INTO STORE.

Application to return equipment.

53. Whenever it becomes necessary or advisable to return equipments into store, except such as have been replaced on requisition, Commanding Officers will make application to the Senior Ordnance Store Officer to receive them, stating their description, number, the time they have been in use, and the reasons for returning them into store; the authority, if any, should also be quoted.

38407 Equipt. 1592

Articles not to be replaced till unserviceable.

54. Articles of equipment will not be returned to store on the ground that they have been in use for the prescribed period of duration. They will continue in use until unserviceable, unless special authority has been given for their exchange.

Vouchers and receipts for returned stores.

55. Commanding Officers when returning equipments will forward to the Ordnance Store Department receipt and issue vouchers properly filled in on the prescribed forms, and in conformity with the directions in Appendix I., and the instructions contained in paragraph 5, pages iv. and v. of Part I of the Priced Vocabulary of Stores, 1893. The issue voucher will be signed by the Ordnance Store Officer receiving, and returned to the officer handing over, the stores.

38407 Equipt. 1591

Vouchers for stores from a distance to be sent by post.

56. When stores are returned from a distance, receipt and issue vouchers will be sent by post, on the same day that the stores are despatched to the Senior Ordnance Store Officer to whom they are consigned, and the following instructions will be observed:—

Date and number of order always to be inserted.

a. The date and number of the order directing the return of the stores will be inserted in the headings of both vouchers, and a corresponding date and number will be conspicuously marked on the outside of each case or package, so as to enable the consignee to identify them immediately on receipt. Each case, bale, or package will be weighed, and the weight marked upon it.

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Vouchers to contain details.

b. A memorandum will be entered at the foot of the detailed list on the receipt voucher, specifying the date on which the articles were despatched, the name or designation of the carrier, and the mode of transit.

Vouchers to be signed.

c. The receipt voucher will be signed by the consignor; and the issue voucher, duly signed by the consignee, will be returned as soon as practicable after the stores have been received.

O. C. to arrange for return of stores.

57. Commanding Officers will make their own arrangements, as in the case of issues (*see* paragraph 34), for the return of unserviceable and surplus equipments into store in camp and garrison.

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54 Gen. No. 5138

58. Issues of regimental equipment, such as arms, accoutrements, harness and saddlery, to replace similar unserviceable articles in possession of a unit quartered at a station where there is an Ordnance Store Depôt from which the supply of the new will be received, will not be made until the unserviceable articles have been returned to the Ordnance Store Department, inspected, and condemned. The day and hour for exchange should be arranged for by communication between the Ordnance Store Officer and the Officer Commanding. Articles improperly returned.

When the unit is quartered at another station the new articles will be supplied prior to the return of the unserviceable, and the Officer Commanding will, upon receipt thereof, immediately return the unserviceable, and will not cause any corps marks to be placed upon the new equipment until he receives notification from the Ordnance Store Officer that the articles returned are considered to be in a state for condemnation. The inspection and notification by the Ordnance Store Department will be carried out immediately the stores are received. Should any of the equipment so returned be found on receipt by the Ordnance Store Department to be not unserviceable, or still capable of repair by regimental artificers, the Senior Ordnance Store Officer will call upon the Officer Commanding to furnish an explanation for the information of the General Officer Commanding, who will decide whether the troops should be held liable, or a Board of Officers be assembled to investigate the matter. If it is decided that the articles have been improperly returned they will be sent back to the corps and the new articles issued returned to the Ordnance Store Department, the cost of carriage unnecessarily incurred being defrayed by the Officer Commanding the unit concerned.

54 Art. 2082

54 Gen. No. 5138

54 Artillery 2082

59. Should it be considered that any articles returned as unserviceable have become so from unfair usage while in possession of the troops, the Senior Ordnance Store Officer will also bring the same to the notice of the General Officer Commanding who will determine, by means of investigation of a Board of Officers, or otherwise, whether the troops are liable. Articles unserviceable from unfair usage.

54 Artillery. 2082

54 Artillery 3638

60. No reduction in any authorized equipment will be made without the sanction of the War Office. If, owing to an authorized reduction, or any other cause, officers who are accountants have on charge surplus stores or equipments not likely to be again required within a short period, the General Officer commanding will decide whether they shall be retained or returned to store. If a reduction in the establishment of men or horses be authorized, the stores to be disposed of will be the actual com- Return of surplus equipment.

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plete sets of equipment in use by the men or horses drafted to other corps or others dealt with as supernumerary.

Return of stores by outgoing unit.

61. When Commanding Officers previous to marching from a station obtain authority from General Officers Commanding to return stores of a bulky nature, in order to avoid the cost of carriage, they will apply to the Ordnance Store Officer receiving them for a certificate of their quantity and condition. They will then be enabled, on reaching their destination, to draw from the Ordnance Store Department, on this certificate, an equivalent supply if necessary.

Certificate of O. S. Officer.

Stores when to accompany outgoing unit.

62. When it is not advisable to return these stores, as for example, should there be no store depôt at the station to which the unit is proceeding whence a fresh supply could be obtained, they will accompany the corps, and public conveyance will be provided; but if this be not practicable and expenses are incurred for carriage from one station to another, the charge must be supported by a list of the stores, and a certificate from an officer of the Army Service Corps that Army transport could not be provided.

Return of stores locally used.

63. All equipments issued to meet the purely local requirements of a station will be returned to store by outgoing units, unless they are required to be handed over to the incoming unit, when the transfer will be effected through the Ordnance Store Department.

Return of small-arm ammunition by troops on change of station.

64. Except in the case of a mobilization for Home Defence, the small-arm ammunition in charge of troops, whether service or practice ammunition, will be returned into store previous to their departure from a station, with the exception of a sufficient quantity to provide the guards and escorts with 20 rounds for each man. If no store depôt exists at the station, it will be handed over to an officer of the Ordnance Store Department deputed to receive it, who will at once note thereon the condition in which it was received by him. Care will be taken that the service and practice ammunition are shown separately on the vouchers. The officer who gives over the ammunition will be furnished with a proper receipt, which will be sufficient authority for the unit to draw a similar quantity at the new station. The ammunition given into store in boxes with unopened linings will be available for re-issue to other units, and cannot be objected to. Any ammunition loose, or in boxes with opened linings, will be dealt with as directed in paragraph 158.

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5207

Stores issued on loan to be returned when no longer required.

65. When any stores are issued on temporary loan from the Ordnance Store Department (as for instance, for the service of moving ordnance on re-armament), the Commanding Officer to whom they are lent will be held responsible for taking steps to return them as soon as the object for which they have been issued has been accomplished.

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Half-yearly inquiry.

66. In order to ensure that stores issued on temporary loan are not lost sight of, and to enable any necessary subsequent disposition of the stores to be arranged, the Senior Ordnance Store Officer will ascertain at half-yearly intervals, by inquiry, the date of the probable return to store of the articles. In such cases where the stores have been supplied specially from Woolwich, the information, when obtained, will be reported to the Commissary-General of Ordnance.

Explosive stores and matches.

67. The utmost vigilance is required on the part of officers returning stores, in order to guard against explosive stores being returned into ordinary store depôts, instead of into the magazines, as well as to preclude the possibility of lucifer or other matches, iron nails, &c., being left among stores of any kind.

Return of empty cases and packages.

68. Commanding Officers are responsible that all empty chests, cases, barrels, and cylinders, received with equipment of any kind, are handed over as soon as they can be dispensed with to the Ordnance Store Department; and, if possible, without cost to the public.

Empty ammunition packages to be examined.

69. All empty ammunition or powder barrels, or packages, will be most carefully examined to see that they are free from iron tacks in the head, and grit and dirt on the staves, before being returned into store.

Carrier's note to accompany stores sent by carrier.

70. When stores are returned by carrier, a carrier's note, Army Form G 980, detailing the number, description, and weight of packages, bundles, and loose articles, and the number of articles contained in each bundle, will be delivered to the carrier. For explosive stores and those conveyed at owner's risk rates by railway in Great Britain, the special forms supplied by the railway companies will be used in lieu of Army Form G 980 (*see* Allowance Regulations).

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70A. When stores are returned into store in packages, an inventory, on Army Form G 1028, of the contents, signed by the packer and also, if practicable, by the person witnessing the packing, will be placed in each package.

Convoy notes to be given to the officer commanding a convoy.

71. When stores are forwarded by convoy or under escort, convoy notes, Army Form F 754, will be delivered to the officer commanding the convoy or escort, or to the conductor, and the following course will be observed:—

Convoy notes to be prepared in triplicate.

(*a*) The officer in command of the escort, or the conductor, will satisfy himself that the stores agree with the account given to him, in order that there may not be any subsequent questions as to the correctness of the convoy notes, three of which will be filled up. These will be signed by the officer despatching the stores, and a receipt will be taken on one of them from the officer commanding the escort or from the conductor. The receipted note will be retained by the consignor, and the other two will be carried by the officer commanding the escort

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or by the conductor to the consignee. One of these will be receipted, and returned to the officer or conductor and the other kept by the consignee. The day and hour of departure will be inserted upon the convoy notes by the consignor, who will forward the proper issue voucher for the signature of the consignee. In forwarding ammunition it will always be kept separate from other stores (*see* paragraphs 184 to 197).

Convoy notes, &c. for stores delivered into store.

(*b*) When stores are received from troops, the Ordnance Store Officer will demand from the officer in charge of the escort, or from the conductor, the convoy notes, or other receipt vouchers, and having found the articles to be correct, he will return one copy receipted to the officer or conductor, forwarding the usual receipts to the consignor as soon as possible. Should, however, the regular receipt vouchers not be forthcoming, the stores will nevertheless be received; and the Ordnance Store Officer should report the omission to the consignor, to whom he should at the same time forward a receipt for the stores actually received

Deficiency or loss of stores.

(*c*) When the stores do not agree with the convoy notes, the Ordnance Store Officer will inquire into the cause of disagreement. If it appear to arise from negligence or fraud, such measures will be taken as may be requisite in order that the offender may not escape punishment. If it appear to arise from just and fair causes, the Ordnance Store Officer will obtain a certificate of any such deficiency, damage, or loss, before the officer in command of the escort or the conductor can be discharged. Should a court of inquiry be necessary, the Senior Ordnance Store Officer will apply for one to the General Officer Commanding.

Return of cartridge cases.

72. The cases of all small-arm ball and ·303-inch blank cartridges supplied gratuitously, will be returned each year to the Ordnance Store stations from which they were issued, to the extent of at least 90 per cent. of the ball, and 50 per cent. of the ·303-inch blank, expended during the year; any deficiency in these quantities will be charged for at the following rates :— A.O. 60, 1892.

Rates chargeable for deficiencies.

6*s.* 2*d.* per 1,000, or 26 lb., for Martini-Henry cartridges, old pattern, strip case.

12*s.* 10*d.* per 1,000, or 44 lb., for Martini-Henry cartridges, new pattern, solid-drawn case. A.O. 92, 1893.

7*s.* 1*d.* per 1,000, or 24¼ lb., for ·303 cartridges, ball and blank, rifle, solid case. 54 Gen. No. 5195

1*s.* 8*d.* per 1,000, or 8 lb., for ·303 cartridges, short blank.

Value of to be refunded

The value of the empty cases of cartridges obtained on payment will be refunded at the above rates to the officer who purchased them on his returning them to 54 Gen. No. 4857

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store. The number and date of the Ordnance Store voucher on which the cartridges were received should be quoted on the pay-list voucher of the officer charging the value of the empty cases.

Mode of return to store.

The cases will be returned to store in the empty ammunition packages, not oftener than once a quarter, and Officers Commanding will not return a less quantity than 1,000 cases, except in the last quarter of the year, when the outstanding balance, whatever it may be, will be sent in. The vouchers accompanying the delivery of the cases will show the weight only. The cases are expected to be in good condition when returned, care being taken that grit and dirt are removed as far as possible beforehand; and the greatest vigilance should be exercised in packing cases for return into store, to prevent any filled cartridges being accidentally sent with them, as any carelessness in this respect might lead to serious consequences.

38407 Equipt. 1647 A.O. 92, 1893.

Minimum quantity to be returned to store.

Empty small-arm cartridge cases will be taken on charge by certificate receipt vouchers to the extent, at least, of the percentages above laid down, and will be accounted for as returned to store, or as paid for if not forthcoming in the proper proportions.

V.—ANNUAL INSPECTIONS, BOARDS OF SURVEY, AND COURTS OF INQUIRY.

57 Gen. No. 4398

Joint inspection by O.C. R.A, C.R.E., and S.O.S.O.

73. The Officer Commanding Royal Artillery, the Commanding Royal Engineer, and the Senior Ordnance Store Officer at each station, will, once a year, or oftener if necessary, make a joint inspection of the works, magazines, stores, workshops, &c., of all their departments, not as a Board, or with any view to a joint report, but in order that an opportunity may thus be afforded to each officer of calling special attention on the spot to his requirements. Minutes recording these inspections, and any action taken in consequence thereof, will be entered in a book to be kept for that purpose by each officer.

Boards for condemnation of stores.

74. Condemnations of stores must be supported by proceedings of Garrison Boards where Boards are requisite. The proceedings of Regimental Boards, except as provided for under paragraph 43, cannot be recognised.

Full explanation to be given.

75. Articles of equipment which may becomeunserviceable, owing to accident or otherwise, before the expiration of the period fixed for their duration, are not to be written off charge, nor the loss to be borne by the public, unless the reason for the article having become unserviceable is fully set forth.

54 Gen. No. 5117

Course to be followed when losses, &c., occur.

76. When stores or equipment of any kind are lost, destroyed, or injured, and it is a matter for consideration on whom the expense of replacing or repairing them

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should fall, the course laid down in paragraphs 127A and 127B, Section VI, Queen's Regulations, as regards Expense Stores, will be followed.

Decision of G.O.C. or War Office to be attached to requisition.

77. The original report to the General Officer Commanding will be accompanied by Army Form G 998, duly filled in, and where stores are required to be replaced a copy of the decision of the General Officer Commanding, or of the War Office, as the case may be, will be attached to the requisition upon the Ordnance Store Department for the replacement of the stores.

Reports of Commanding Officers, and Courts of Inquiry.

78. Reports of Commanding Officers referred to in the preceding paragraph, and proceedings of Courts of Inquiry, when they refer to arms, must be confined to arms, and must not include reports on other equipment. The number on the barrel, as well as the regimental number of the arm, will be recorded therein.

Directions as to sending damaged arms to C.I.S.A.

79. When a damaged arm is sent to the Chief Inspector of small arms for special report, or assessment of damages, a label stating the circumstances and giving the reference number and date of any War Office orders, or proceedings of Courts of Inquiry, should be attached to the arm for identification; and a copy of the decision, if any, of the General Officer Commanding regarding it, together with a copy of Army Form G 998, should be attached to the vouchers when forwarding the arm.

An O.S.O. to be a member of the Court of Inquiry.

80. If there be an Ordnance Store Officer available who is not the Senior Ordnance Store Officer, he will serve as a member of Courts of Inquiry, where necessary, under the foregoing instructions. The proceedings of such Courts will be transmitted in duplicate by the President, direct to the Senior Ordnance Store Officer, who will submit them, with his views, to the General Officer Commanding, and after the General Officer Commanding has recorded his decision the Senior Ordnance Store Officer will send one copy to the Officer Commanding the corps concerned, to serve as his authority to write off the stores or demand new articles to replace them.

Losses incurred by R.A. in moving heavy stores.

81. If the loss or damage has occurred when the Royal Artillery have been employed in moving heavy stores, the officer in charge of the operation should, in giving evidence, produce a statement showing distinctly the materials used, their actual dimensions, the strain calculated to be borne by them, the actual weight to be lifted, the distance through which the stores are to be lifted, vertically or horizontally, and, in the case of sheers, the angle of inclination.

Stores of a technical nature.

82. When the stores forming the subject of inquiry are of a special or technical nature, or peculiar to the Royal Artillery, Royal Engineers, or any particular service, the

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written opinion of the local head of the department concerned should be taken before the matter is finally dealt with by the General Officer Commanding, and such opinion will form part of the proceedings forwarded to the War Office in cases where this is necessary in accordance with the instructions laid down in the Queen's Regulations dealing with these subjects.

Surveys on equipments of troops proceeding to or returning from India.

83. Surveys in the United Kingdom and the Channel Islands on the equipments of troops proceeding to or returning from India, will be held by officers acting on behalf of the Secretary of State for War and the Secretary of State for India respectively. Instructions as to the mode in which the surveys will be carried out will be found in Appendix II.

VI.—EQUIPMENT ACCOUNTS AND CLAIMS AGAINST CORPS.

Duty of Officers to account.

84. It is the duty of every officer receiving any equipment, service ammunition, or money for the purchase of equipment, to keep and render accurate accounts thereof, and until these accounts have been examined and allowed, he will not cease to be responsible. He will, therefore, be careful to obtain receipts on the proper Army Forms for all articles leaving his charge.

Regimental and staff ledgers.

85. Accountants will record in equipment ledgers all transactions connected with ammunition and stores except as provided for in paragraphs 86 and 219. Detailed instructions for keeping these ledgers are given in Appendix I.

A.O. 92, 1893.

Articles not to be accounted for.

86. Materials for repair, and other consumable articles (except ammunition) drawn upon regulated scale will not be taken on charge in the equipment ledgers, but any quantities remaining unused at the end of the year must be shown as in possession in the requisition for the next year's supply. Packages will be accounted for.

54 Gen. No. 4977

Ammunition taken on charge.

87. Ammunition, unless issued on payment, will be taken on charge in Equipment Ledgers. Quantities drawn for consumption will, as expended, be written off charge by quarterly expense vouchers, signed by the Commanding Officer. On these vouchers will be given full particulars of the numbers of men, &c., and the paragraphs of regulation or authorized scales of expenditure covering the issues.

A.O. 92, 1893. P.C. 1 Field Art. 225

Articles chargeable to troops and replaced.

88. Articles required to replace stores lost or rendered unserviceable, and chargeable against the troops, will be demanded quarterly in accordance with paragraph 24; the unserviceable articles will be returned to Ordnance Store. The value (see paragraph 95) will be credited to the public in the Pay List on Army Form P 1963. The

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Equipment Issue Voucher for the old stores struck off charge, will give a direct reference to this credit, and the requisition for stores in replacement will quote the Equipment Issue Voucher.

Articles replaced and not charged to troops.

89. When stores on equipment ledger charge are condemned by proper authority as unfit for further service, or are lost or damaged through no fault of the troops, the dates and registration numbers of reports of boards of survey or other authority will be quoted upon the Equipment Issue Voucher by which they are struck off charge. The reports of boards of survey or other authority will in every case be transmitted to the Ordnance Store Officer in support of the requisition when new stores are required, and will be attached to the issue voucher of the Ordnance Store account from which they are supplied. In cases where lost stores are not required to be replaced, the proceedings of the Court of Inquiry will be attached to the expense voucher by which the articles are written off charge in the Equipment Account. A.O. 92, 1893. A.O. 92, 1893.

Transfer of stores from one charge to another.

90. No articles of equipment may be transferred from one equipment ledger charge to another except as allowed by regulation, or under authority of the War Office at home stations, or at stations abroad under that of the General Officer Commanding obtained through the Senior Ordnance Store Officer. Such transfers will be supported by vouchers upon which the authority for the transfer should be quoted. When either of the officers concerned desires that an Ordnance Store Officer should be present at the transfer, one will be directed to attend, if available, on application. The above does not refer to transfers of equipment from one Commanding Officer to another on a change of command, which are governed by paragraph 11.

Custody of arms and accoutrements of Army Reserve.

91. Officers Commanding Regimental Districts will be held responsible for the care and safe custody of such arms and accoutrements as may be kept in store at regimental depôts for issue to the Army Reserve. These stores will not under any circumstances be taken into use without previous authority from the War Office; and will be accounted for in separate columns of the equipment ledger under the head of "Reserve."

DP. arms and arms for aiming tubes.

92. The unserviceable arms issued for drill purposes will be accounted for in the equipment ledgers, in a separate column, headed "Rifles (or "Carbines), for drill only," and the arms for aiming tubes in a separate column, headed "Rifles (or "Carbines), for aiming tubes only." A.O. 92, 1893.

Equipment accounts of detachments.

93. Officers Commanding the following detachments will become direct accountants for the equipment of their detachments (on the formation of a detachment the

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equipment will be transferred by voucher, and the new account opened under the orders of the General Officer Commanding, who will report to the Secretary of State the circumstances rendering the opening of a fresh account necessary) :—

(*a.*) A Cavalry Depôt not forming part of the General Cavalry Depôt at Canterbury. [Cavalry Depôt.]

(*b.*) Detachments left behind in quarters by units proceeding on active service. In such cases the equipment of each detachment will be accounted for in a separate ledger, whether the detachments remain independent, are attached to units, or are formed into provisional battalions, except only on the absorption of a detachment into its territorial depôt or other unit, when the equipment will be transferred to the ledger of that depôt or unit, as directed in Appendix I. The marking on the equipment of men left behind will not be altered unless they are permanently transferred. [Detachments left behind.]

(*c.*) Detachments serving abroad, and separated from their head-quarters for lengthened periods, and by considerable distances. [Detachments serving abroad.]

(*d.*) Detachments of Royal Engineers serving abroad belonging to companies serving at home, or *vice versâ*, until the detachments rejoin their companies. Detachments of Royal Engineers serving at home belonging to companies serving at home will be governed by paragraph 37. [Detachments of R.E.]

(*e.*) Detachments of the Army Service Corps, Medical Staff Corps, and Ordnance Store Corps stationed abroad. [Detachments of miscellaneous corps.]

94. The marking of additional equipment issued to detachments will be governed by the instructions laid down in paragraph 269. [Marking additional equipment]

54 Art. 1285

95. A soldier, who by neglect or culpable mismanagement, loses or renders unserviceable any article of his personal equipment, will not be held liable for the full value of the article, but only for the proportionate value for the unexpired period of wear; no charge will, however, be reduced below a quarter of the full value, and in the case of any one arm no charge will exceed 40*s.*, unless otherwise determined by sentence of a Court Martial. Twelve years will be taken as the period of wear for any article for which no period has been laid down; and the unexpired period will be calculated in half-years, any period of less than six months being charged against the soldier as a full half-year. The rates upon which the calculations will be made are those laid down in the Priced Vocabulary of Stores. [Charges for loss or damage to personal equipment.]

54 Art. 2882

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Charges for loss or damage to general Equipment.

96. In the case of culpable loss of equipment, other than personal equipment in possession of a soldier, the proportionate value only will be chargeable if it can be ascertained; if not, the full value will be chargeable. Any evidence as to the proportionate value will be recorded in the proceedings of the Court of Inquiry or other authority which investigates the loss.

Culpable repairable damage.

97. In the case of culpable repairable damage of equipment, whether personal or otherwise, the actual cost of repair (including both wages and materials or components) will be charged.

54 Art. 1285

Authority for charges on account of equipment.

98. The authority of the Senior Ordnance Store Officer will be sufficient for any charge in the Pay Lists on account of equipment. When Officers against whom claims are made have no cash account with the War Office, payment will be made by them to the District Paymaster.

Losses through desertion.

99. When articles are ascertained to have been lost by desertion they will be struck off charge on Army Form P 1925, supported by a certified copy of the Proceedings of the Court of Inquiry (Army Form B 115), held under Section 72 of the Army Act.

P.C. 1 Field Art. 225

Articles brought back on a deserter rejoining.

100. In the event of a deserter, on rejoining, being in possession of any of the articles found deficient on his desertion, the articles brought back by him will be taken on charge in the Equipment Ledger.

P.C. | 1 Field Art. 225

Articles deficient on a deserter rejoining.

101. On a deserter rejoining, and being sentenced by Court Martial, or ordered by the competent Military authority dispensing with the trial to be placed under stoppages for the value of any articles found deficient on desertion, such articles will be retaken on charge and struck off again as deficiencies on Army Form P 1925, showing where credit will be found in accordance with paragraph 102.

Returns of stoppages.

102. At the end of each month a return will be prepared on Army Form P 1963, showing the names of, and the amounts recoverable from, any soldiers liable to make good the cost of replacing or repairing articles of equipment under paragraphs 95 to 101. The stoppage returns will be made out by squadrons, batteries, or companies. In the Cavalry and Infantry the amount due from each squadron or company will appear in Regimental Orders for the month in which the stoppages are recoverable from the soldier, and will be credited in the pay list for the month, the returns being annexed as vouchers.

Losses through glandered horses.

103. The order sanctioning the shooting of a glandered horse will be quoted as the authority for striking off charge portions of harness or saddlery destroyed in order to prevent infection.

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104. The undermentioned articles will not be brought into equipment ledgers, or Accounts of Artillery works or positions :— Articles locally accounted for.

(*a.*) Articles supplied to the General Staff for local use, except camp equipment, which will be accounted for to the Ordnance Store Department as laid down in paragraph 219. Supplies to the General Staff.

38407 Equipt. 1540

(*b.*) Boats, barges, launches and their appurtenances, which will be accounted for in the local transport equipment ledger (Army Book 165). Boats, barges, &c.

(*c.*) Barrack Stores not forming part of the fixed equipment of the Royal Artillery or other corps, or issued by the Ordnance Store Department for use in camps. Also disinfectants. Barrack stores on inventory

(*d.*) Candles, oil, and wick for magazine lanterns and signalling lamps. Candles, oil, and wick.

105. The wicks for magazine lanterns and signalling lamps will be issued to the troops by the Army Service Corps, on the usual requisitions, for field as well as for general service. Wick for magazine lanterns and signal lamps.

106. Official books, printed records, lithographs, and maps obtained from the Ordnance Store Department except the hand books included in Corps details, will not be brought on charge in the Artillery Store Accounts or equipment ledgers, but will be forthcoming at all times for the use of those departments or officers for whom they are supplied, and by whom accurate lists thereof will be kept. Books (except hand books in Corps details), lithographs, &c., not to be brought on charge.

107. Accountants to the War Office will furnish with their periodical accounts a certificate that the list or catalogue alluded to in paragraph 106 has been verified and corrected to date, that deficiencies through loss or otherwise have been reported to the War Office, and that the authority for striking such deficiencies off the list has been noted thereon. Certificate as to their correctness to be furnished.

108. On changes of Heads of Departments, Staff Officers, or Commanding Officers, the officer assuming charge will verify the lists and report any deficiencies. On change of command.

SECTION III.—ARMS, ACCOUTREMENTS, AND ARM CHESTS.

I.—General Supply of Arms and Accoutrements.
II.—Supply (including Ammunition) for Troops on Board Ship, except for Active Service.
III.—Supply for Staff Clerks, Military Police, &c.
IV.—Supply for the Army Service Corps, Ordnance Store Corps, Medical Staff Corps, and Army Pay Corps.
V.—Supply of Articles for Musketry Instruction.
VI.—Supply of Arm Chests.

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I.—GENERAL SUPPLY OF ARMS AND ACCOUTREMENTS.

Details of.

109. The arms and accoutrements supplied by the War Department to the regular forces consist of the articles given in the details for the respective services, for Peace in Part 2, for War in Part 3.

Establishment kept up.

Units will always have, during peace, arms and accoutrements for their full peace establishment.

Proportion of long and short butts.

110. Martini-Henry rifles are issued in the proportions of two-thirds long-butt and one-third short-butt arms.

38407 Equipt. 1591

Transfer prohibited.

111. Arms and accoutrements being regimentally marked may not be transferred from one regiment, battalion, or accounting unit to another, except in time of war, as laid down in Part 3.

Supply of extra service arms and accoutrements.

112. *Extra service* arms, water bottles, and other accoutrements will be supplied in excess of regulated establishments to accounting units temporarily augmented. Arms so issued, being specially marked will not be taken abroad if supplied at home, and if supplied at stations abroad they will be returned into store before the corps leaves the station, unless it may be necessary to send them away with armed drafts under the provisions of Part 3, in which case, a return of the number of arms sent away and of their marking will be at once made by the Commanding Officer to the Ordnance Store Department. These arms will be shown in returns as "Extra Service" arms, and will be given into store when the strength is reduced to the proper establishment, unless they are likely to be required again within a reasonable period.

D.P. arms for use of recruits.

113. *Drill purpose* arms at the rate of 50 per battalion of infantry will be issued on demand, at home stations as they become available, to Officers Commanding for the use of recruits. They will be supplied in the manner laid down for extra service arms, and on a regiment receiving orders to leave its station, Officers Commanding will make application to the Senior Ordnance Store Officer for the return to store of the arms or transfer to the relieving battalion as may be directed. These arms will not be used for ball firing, and no charges for damages will be made, except for such as are manifestly wilful.

54 Gen. No. 4949

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Butt-swivels for rifles.

114. When rifles are supplied to Rifle battalions, mounted infantry, and machine gun sections, a butt-swivel will be issued for each arm, to be screwed in by the Armourer Serjeant.

Examination of arms on return from service abroad.

115. All the arms in possession of troops returning from service abroad, except from India, will be examined, as soon after arrival as possible, by a viewer specially

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detailed for that duty by the Chief Inspector of Small Arms. An application for the services of a viewer for this purpose will be made by the Commanding Officer of the corps concerned through the General Officer Commanding.

Duties of viewer.

116. The viewer will report specially on the condition of the arms as regards their fitness for service, stating what repairs are necessary, and to what extent such repairs can be carried out regimentally. He will also report whether the damages to the arms have been caused by neglect, or by fair wear and tear due to exceptional service or to the effects of climate.

A.O. 385, 1890. 38407 Equipt. 1540

Reports relating to rifles.

117. In all reports relating to rifles, the number of the arm and factory at which it was manufactured will be stated, in order to facilitate identification in cases where particular rifles are referred to. The number of the rifle and the name of the factory will be found stamped on the body.

II.—SUPPLY (INCLUDING AMMUNITION) FOR TROOPS ON BOARD SHIP, EXCEPT FOR ACTIVE SERVICE.

Notification of Troops about to embark.

118. When the General Officer Commanding a District is apprised by the War Office of the strength of the units or Detachments intended to embark for service abroad, otherwise than for India, on board a vessel starting from a port in his command, which may subsequently call for some of these troops at other ports at home, he will notify all particulars to the Senior Ordnance Store Officer at the first port of embarkation.

S.O.S.O. to place on board the arms, accoutrements, &c., for drafts.

119. The Senior Ordnance Store Officer will cause the arms, accoutrements, ammunition, and other stores, in the prescribed proportions, to be placed on board, whether the whole of the troops embark at the original port of embarkation, or portions are subsequently to be taken in at other ports, and whether the troops are stationed in his district, or in any other part of the United Kingdom; and he will report such issues to the War Office.

Ammunition

120. A supply of service ammunition at the rate of 60 rounds for each rifle or carbine, unless otherwise specially ordered, will be put on board the ship by the Senior Ordnance Store Officer at the first port of embarkation, and a proper magazine will be provided for its security. In the case of units, requisitions will be put forward for this ammunition in the usual manner on the local Ordnance Store Officer, who will forward them to the Senior Ordnance Store Officer at the first port of embarkation.

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In the case of detachments, the course indicated in paragraph 123 will be observed. Before the ship sails Commanding Officers will ascertain that the ammunition to accompany the troops has been put on board, and properly secured in the magazine.

Drafts for abroad (and for India in hired vessels) to be supplied with arms and accoutrements for exercise during voyage.

121. When unarmed drafts embark to join regiments abroad, stationed elsewhere than in India, or when they are proceeding to India in hired vessels, or when transport is provided for troops abroad except in the case of invalids and time-expired men, the Senior Ordnance Store Officer at the port of embarkation will issue to the Officer Commanding, for their exercise during the voyage, second class (or if these are not available, first class) arms and accoutrements, in the proportion of 10 per cent. of the strength, together with 60 rounds of service ammunition for each rifle for use in case of emergency, one pair of handcuffs for every 100 men, and one bugle or drum. The accoutrements will consist of a waist belt, a frog, and an ammunition pouch. A.O. 92, 1893.

Supply of arms, &c., on board hired vessels for India and Indian troop ships.

122. When arms, &c., are thus issued for drafts proceeding to India on board hired vessels, repayment vouchers will be put forward, in order that their value may be claimed from the Government of India. A supply of arms and ammunition will be kept throughout the season on board Her Majesty's Indian troop ships when employed on Indian service.

Issue to be made to officer in command.

123. All issues of arms, accoutrements, ammunition, and other stores for drafts under the foregoing orders, will be made to the officer in command, who will receive from the Ordnance Store Officer a receipt voucher, and will sign an issue voucher in duplicate for the stores he receives. The officer receiving the stores, or any officer who may succeed him in the command, will be held responsible for the due return of them to the Ordnance Store Officer at the port of disembarkation, to whom the duplicate issue voucher will be sent, and he will be careful to obtain a receipt for the articles returned by him, in order to clear his charge. In the event of the responsible officer disembarking at an intermediate port, he will hand over to the next senior officer in command, obtaining a detailed receipt from him, the arms, accoutrements, &c., as well as the documents connected therewith. Should the articles not be returned to store on the arrival of the drafts, it will be the duty of the Ordnance Store Officer to apply for them. In the case of ammunition expended, the responsible officer will give a certificate that such expenditure has been necessary, detailing the circumstances.

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III.—SUPPLY FOR STAFF CLERKS (EXCEPT THOSE ATTACHED TO THE ARMY SERVICE CORPS AND ARMY PAY CORPS), MILITARY POLICE, &c.

Demanding and accounting.

124. The arms, accoutrements, and ammunition for staff clerks and serjeant instructors of gymnasia, at the several stations and districts, will be demanded and accounted for by the Staff (or other) Officer under whom they are serving. Equipment for staff clerks in Royal Engineer offices, and military foremen of works, will be demanded and accounted for by Commanding Royal Engineers, except in the case of the Superintendent of Building Works, Royal Arsenal, Woolwich, who will be a direct accountant for the equipment of the Staff under his orders.

54 Artillery 1263

On change of station.

125. When a staff clerk (other than Royal Artillery), military foreman of works, or military mechanist, moves from one station to another, he will take his arms and accoutrements with him, care being taken that receipt and issue vouchers are sent by the accountant to the station to which the warrant or non-commissioned officer is proceeding. In the event of the arms and accoutrements being surplus in consequence of a staff clerk (other than Royal Artillery), military foreman of works, or military mechanist becoming non-effective, they will be returned to the nearest Ordnance Store Depôt.

54 Engineers 8760 38407 Equipt. 1561

In the case of Royal Artillery staff clerks and armament artificers, the arms and accoutrements are held on charge by the Officer Commanding the company to which they are attached, except in the Scottish, North-Eastern, and Home Districts, where the Officer Commanding District Establishments will be the accountant.

Equipment of Military Police.

126. The equipment of the Military Mounted and Foot Police will be demanded and accounted for by the Provost-Marshal, Aldershot.

IV.—SUPPLY FOR THE ARMY SERVICE CORPS (AND STAFF CLERKS ATTACHED THERETO), THE MEDICAL STAFF CORPS, THE ORDNANCE STORE CORPS, AND THE ARMY PAY CORPS (AND STAFF CLERKS ATTACHED THERETO).

Charge of mounted portion and station staff, A.S.C.

127. The arms and accoutrements of the mounted men of the Army Service Corps, and those of the Mounted Station Staff, will remain on charge of the companies and

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stations respectively, and will not be transferred with the men. Those of the Station Staff will be accounted for by the depôt, or by one of the mounted companies at the station.

Unmounted portion of A.S. and of M.S. Corps on change of station.

128. The arms and accoutrements of all 1st Class Staff Serjeant-majors of the Army Service Corps, and of the unmounted portion of the Army Service Corps, and also those of the Medical Staff Corps, will, in all changes of station, be taken with the warrant officers, non-commissioned officers and men, and will, except as provided in paragraph 130, be transferred by regular voucher from one accountant to another. 38407 Equipt. 1488

Surplus arms and accoutrements, A.S. Corps,

129. All surplus arms and accoutrements of the unmounted portion of the Army Service Corps, caused by men becoming non-effective, will, except as provided in paragraph 134, be transferred to the depôt company at Aldershot for re-issue as required. 38407 Equipt. 1488

staff clerk section A.S.C. and staff clerks attached.

130. The arms and accoutrements of the staff clerk section, Army Service Corps, and of the staff clerks attached thereto, serving at home will be accounted for by the Officer Commanding the staff clerk depôt, Army Service Corps, Chelsea Barracks, S.W. They will in all changes of station be taken with the warrant officers, non-commissioned officers and men, but transfer vouchers will be unnecessary for changes of station at home. When proceeding from the United Kingdom to a station abroad, and vice-versâ, the regular vouchers will be passed between the Officer Commanding Army Service Corps at the station abroad and the Officer Commanding the staff clerk depôt. All surplus arms and accoutrements of these soldiers at home, however caused, will be returned to this latter officer.

Arms and Equipment.

131. Warrant officers, non-commissioned officers and men transferred or appointed to the staff clerk section, Army Service Corps, will receive the same arms and equipment as soldiers of the same rank in the Supply Branch of that Corps; arms and equipment in possession will, where necessary, be exchanged for those of proper pattern. In the case of corporals, 2nd corporals and privates, the issue of carbines will, however, be withheld. 54 A.S. Corps 1976

Surplus arms and accoutrements, M.S. Corps.

132. The surplus arms and accoutrements of the Medical Staff Corps will be handed in to the Senior Ordnance Store Officer, by whom they should be forwarded to the depôt of the Medical Staff Corps at Aldershot, where a reasonable supply should always be retained in store for issue to recruits.

Surplus arms and accoutrements, O.S. Corps.

133. The arms and accoutrements that may become surplus in service companies and detachments of the Ordnance Store Corps, will be transferred to the depôt company of the Corps at Woolwich. 38407 Equipt. 1525

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Stations abroad.

134. At stations abroad Officers Commanding detachments will not send home the surplus arms and accoutrements if there is a probability of vacancies being filled up locally in the Departmental Corps by volunteers from the garrisons, to whom the arms and accoutrements could be issued on the spot.

Surpluses to be sent through O.S.D.

135. When surplus articles are transferred, under paragraphs 129 and 133, they will be sent through the Senior Ordnance Store Officer, and, if possible, free of charge to the public.

28407 Equipt. 1525

Arms, &c., of O.S.C. to accompany the men.

136. The arms and accoutrements of the warrant officers, non-commissioned officers and men of the Ordnance Store Corps, will accompany them on all changes of station, being duly transferred from one accountant to another.

54 A. P. Corps. 10

Arms, &c., of Army Pay Corps.

137. The arms and accoutrements of the Army Pay Corps (and staff clerks attached thereto) will be demanded and accounted for by the Paymaster under whom the men are serving, and will be dealt with as directed in paragraph 125.

V.—SUPPLY OF ARTICLES FOR MUSKETRY INSTRUCTION.

Articles for musketry instruction.

138. Articles for musketry instructions will be supplied in the undermentioned proportions; as at A to regiments of Cavalry, the Cavalry depôt and battalions of Infantry; and as at B to units of Royal Engineers, Regimental Districts, the Army Service Corps at Aldershot and Woolwich, depôt Medical Staff Corps at Aldershot, and depôt Ordnance Store Corps at Woolwich, and will be accounted for as equipment.

A.O. 58, 1892.

33407 Equipt. 1540

	A.		B.	
	For M.H. or M.M. arms.	For M.L.M. arms.	For M.H. or M.M. arms	For M.L.M. arms.
Actions, skeleton (with butts)	2	2	1	1
Aim correctors	2	2	1	1
Implements, Action, M.H. (and M.M.)	2	...	1	...
Tool, removing striker, M.L.M. rifle	...	2	...	1

A.O. 92, 1893.

Return to store.

These articles will be returned into store upon embarkation for active service.

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VI.—SUPPLY OF ARM CHESTS.

Supply and repair of arm chests.

139. Regimental Arm chests or cases, with hinges, suitable for the packing of rifles and carbines, are issued by the Ordnance Store Department as ordinary equipment. The supply will be at the rate of one chest or two cases for each company of Garrison Artillery, unit of Royal Engineers, and company of Infantry, and two chests or four cases for each squadron of Cavalry. The cost of the repair of the chests or cases will be defrayed in the manner laid down in the Allowance Regulations. These packages will only be supplied to the above-mentioned services, and the chests will be returned to store prior to embarkation to India, and cases drawn in exchange.

38407 Equipt. 1540

A.O. 92, 1893.

38407 Equipt. 1582

A O. 58, 1892.

SECTION IIIA.—REGIMENTAL TRANSPORT.

Regimental transport for field Army home defence.

140. One complete set of regimental transport, as laid down in Part 2, will be provided for each barrack occupied by a regular battalion of infantry allotted to the field army for home defence, and will be held on equipment ledger charge by the battalion occupying the barrack. Each set of regimental transport will be given a distinctive index number by which it will be referred to in all correspondence. In the event of a battalion changing its station or barrack, the complete set of regimental transport, including shoeing tools, will be transferred to the relieving battalion. In case of delay in the relief of one battalion by another, the General Officer Commanding will arrange for the temporary custody of the regimental transport.

114 Gen. No. 2986

On change of quarters.

54 3/60 101

To be kept efficient.

141. Although the stores referred to in paragraph 140 are issued for instruction in transport duties, they will be kept at all times fit for actual service.

As to repair

142. The equipment will be kept in repair by the regular artificers of the troops at the station, as the General Officer Commanding may direct, under paragraphs 319 and 320. Necessary materials for the repair of harness and saddlery in use with regimental transport will be supplied on demand as actually required. When private tradesmen are employed, a certificate to that effect is required on the claim, which may be paid, subject to audit, without special reference to the War Office.

Materials for repair.

Employment of private tradesmen.

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SECTION IV.—MACHINE GUNS.

Memo. of examination.

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143. A Memorandum of Examination, or History Sheet, will accompany each machine gun, when issued for service. It will be kept in a paper pocket in the gun chest; it will be carefully preserved, and will be handed over with the gun to which it relates, whenever the latter is transferred from the charge of one officer to that of another. An immediate record will be made thereon (in the column "Remarks") of any accident which may occur to the gun, and of the result of each official examination which it may undergo. On every occasion on which the gun is fired, the number of rounds will be inserted on the inner sheets provided for the purpose.

Memo. to be carefully preserved.

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143A. The annual return on Army Form G 909, rendered by officers commanding districts, Royal Artillery will include all machine guns in districts, allotted to armaments and on charge of cavalry and infantry.

When in charge of R.A.

Not to be kept mounted.

144. In fortresses or garrisons, where machine guns form part of the armament defence, they will be kept in charge of the Royal Artillery, who will be responsible for their care and preservation. These guns should not be kept mounted on the works, where they would be liable to deterioration from exposure, but should be kept in their cases in Artillery Store, ready for immediate service. With this view they will be examined at least once a month by a competent armourer serjeant or armament artificer. An examination will be made after every occasion on which practice is carried out, and before they are replaced in their cases.

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Where to be fired.

145. The machine guns in charge of the Royal Artillery will, as a rule, be fired from the works of which they form part of the armament. Where this cannot be carried out on account of danger to life or property in the vicinity, they may be fired from a suitable position outside the work, but they are not to be removed for any other purpose whatever.

Targets to be used.

146. When practice, either by Royal Artillery, or Infantry using armament machine guns, is carried out from works on sea fronts, the Artillery floating target will be used, and it will moored by the Royal Artillery boat's crew in the usual manner. For practice on land the Artillery 6-feet fir target will be used.

Guns for Infantry and Cavalry.

147. Where Infantry or Cavalry have machine guns on charge, they will be responsible for their care and preservation, and those belonging to the armament are not to be used by them for drill or practice; but when this is

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R. A. guns used by Infantry.

not the case, the machine guns in charge of the Royal Artillery may be used by the Infantry for instruction and annual practice at the discretion of the General Officer commanding (*vide* note § to paragraph 176). 54 Gen. No. 5771

Defective shooting.

147A. When officers commanding units of cavalry, garrison artillery, and infantry in possession of machine guns of ·303" calibre find that the shooting of any gun falls off, or that the barrel appears worn, they will at once have the gun stripped by an armourer serjeant or qualified armament artificer. 77 6 2785

The barrel will then be carefully packed by itself and sent to the Chief Inspector of Small Arms, at Enfield Lock, for examination. Should it be directed to be marked D.P., it will be returned to the officer commanding the unit concerned, who will be responsible that it is only used for drill purposes or blank firing.

Spare parts.

147B. The box spare parts issued with each machine gun is provided to supply a set of thoroughly serviceable components and implements which will be always readily available when required. Accordingly, it is necessary that the parts issued with the gun should be used until actually unserviceable, they should then be replaced by new articles from the box spare parts, the damaged or worn components being sent into store for repair or replacement. The serviceable articles issued in lieu will, when received, be placed in the box spare parts. 54 Gen. No. 5835

Mode of accounting for guns.

148. Machine guns with equipment will be located in certain barracks, the units occupying which have to form machine gun sections on mobilization. In the case of the regulars the guns and equipment will be in charge of the occupying units, and will be accounted for in the regimental equipment ledgers. On relief they will be handed over by the outgoing to the incoming unit, issue and receipt vouchers being passed in the usual manner. If required a viewer can be sent to examine the guns; applications should be addressed to the Chief Inspector of Small Arms, Enfield Lock, N. 54 Gen. No. 5266 — 77 6 2785

Materials for cleaning and oiling.

149. Materials for cleaning and oiling machine guns and their carriages will be supplied in the following proportions :— A.O. 92, 1893.

Oil, Rangoon	....pints 4	For each ·303 Maxim (Mark I.), Nordenfelt 3-barrel, and Gardner 2-barrel guns and carriages, per annum.
Sheeting, old	.... lbs. 3	
Turpentine, spirits of....	pint 1	

Examination and repair of,

150. The following arrangements will be made for the examination and repair by armourer-serjeants, of machine guns, forming portions of armaments, viz. :— A.O. 175, 1891.

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(*a.*) At stations where an armourer-serjeant is attached to the Royal Artillery, the necessary examination and repair will be carried out by such armourer, under the orders of the Officer Commanding Royal Artillery in the district. By armourer-serjeant attached to R.A.

(*b.*) At stations where there is no armourer-serjeant attached to the Royal Artillery, the above services will be carried out by an armourer-serjeant attached to the Ordnance Store Department, or, if there be no such non-commissioned officer at the station, then by the armourer-serjeant of such regiment or battalion as may be quartered at, or near, the station at which the guns are mounted, on the requisition of the Officer Commanding Royal Artillery (made through the General Officer Commanding), and under his direction. By armourer-serjeant attached to O.S.D. or regiment or battalion nearest the station.

SECTION V.—AMMUNITION.

I.—Service Small-Arm Ammunition.
II.—Small-Arm Ammunition for Practice and Exercise.
III.—Machine Gun Ammunition.
IV.—Gun Ammunition for Practice and Exercise.
V.—Blank Ammunition for Reviews and Field Days.
VI.—Conveyance of Ammunition.

I.—SERVICE SMALL-ARM AMMUNITION.

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151. Service small-arm ammunition will be supplied in time of peace at the following rates for ball cartridge, and should be in possession of the troops, except when returned into store as directed in paragraph 60, viz.:— Ordinary supply in possession units.

	Per Rifle or Carbine.		Per Pistol, Home and Abroad.
	Home.	Abroad.	
Infantry	100	20	12
Cavalry	40	20	12
Royal Engineers	50	20	12
Royal Artillery, Army Service Corps and Ordnance Store Corps	20	20	12

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On mobilization for Home Defence, the quantities allowed for "Home" will be utilised for filling the men's pouches, before moving to the place of concentration.

Extra supply in cases of emergency.

152. In cases of emergency the ordinary supply of service ammunition can be increased to such additional quantity as the General Officer Commanding may consider necessary.

Custody.

153. All service ammunition that is not in actual use, will be kept in the regimental magazines in charge of the quartermaster.

Return to store of extra supply.

154. Extra issues of ammunition remaining unexpended will be returned to the Ordnance Store Department on the termination of the service that necessitated the supply.

Requisitions.

155. Application for service ammunition will be made on Army Form G 815.

Expense vouchers.

156. The expense voucher by which service ammunition is struck off charge must refer to the circumstances and authority (if any) under which the expenditure took place.

Ammunition longest in hand to be expended first.

157. It is essential in order that the ammunition in possession may always be in the best possible condition, that the cartridges that have been longest in the hands of the troops should be expended first. Great care will be taken that service ammunition issued to men mounting guard, &c., is not allowed to remain in the pouches, but that it is used at musketry practice before any unbroken packages are touched. The ammunition from boxes which have been opened should be completely used up before the linings of other boxes are opened, and every care taken that the tin linings are not disturbed until the ammunition is actually required for use.

Opened boxes to be completely used up.

54
Gen. No.
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Examination by Inspector of warlike stores.

158. Ammunition returned from units under paragraph 154, in boxes, of which the lining has been opened, and loose ammunition as described in paragraph 64, will be specially examined prior to re-issue by the Inspector of Warlike Stores. If found serviceable, it will be separately packed, marked and issued as laid down in paragraphs 160 to 162.

II.—SMALL-ARM AMMUNITION FOR PRACTICE AND EXERCISE.

Proportions of small-arm ammunition for practice and exercise.

159. The annual proportions of small-arm ammunition and aiming tube cartridges for practice and exercise for the Regular Forces are as follows :—

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A.O. 92, 1893. A.O. 200, 1892. A.O. 92, 1893.

Corps.	Rounds. For each trained soldier.	For each trained soldier. Rank and file only.		For each recruit (Officer †† or man).			Remarks.
	Ball.	Blank.	Cartridges, aiming tube.	Ball.	Blank.	Cartridges, aiming tube.	
Cavalry	150*	30	25†	200	20	25†	
Artillery, Garrison, including Local Companies of Royal Artillery	40	20	25	20	20	...	
Artillery, Horse and Field ...	10	10	...	20	20	...	
Engineers armed with rifle	80*	40	25†	200‡	20	25†	
54 Engineers armed with carbine ...	50*	30	25†	100	20	25†	
A.S. Corps Infantry...	200*	40	25†	200‡	20	25†	
2098 Army Service Corps	21	...	25§	100	20	...	
Medical Staff Corps	...	...	...	40‡	20	...	
A.O. 150, 1892. Ordnance Store Corps	...	...	...	40	20	...	

114 Art. 72 Every soldier in the first year of his service may fire the proportions of ball, blank, and aiming tube ammunition allowed for a recruit, together with those allowed for the trained soldier. Dual allowance in first year of service.

The following addition will be made to the above-mentioned proportions of ball ammunition :—

For field firing, to be drawn only on the order of the General Officer Commanding a station or district— Allowance for field firing in addition.*

Cavalry, regiment of .... 800 rounds

Infantry, battalion of .... 1,200 „

and the following to the proportion of blank ammunition :—

For training remounts :—

Royal Engineers—400 rounds to be drawn by the Field Depôt.

54 Gen. No. 5653 Royal Horse and Field Artillery—10 rounds per remount, to be drawn by batteries when required.

Army Service Corps—1,300 rounds to be drawn by Station Staff as follows :—Aldershot, 540 rounds; Woolwich, 480 rounds; Curragh, 140 rounds; Dublin, 140 rounds.

A.O. 235, 1890. A.O. 58, 1892. 114 Art. 9752 54 Engineers 8754 54 A.S. Corps 2098 7611 7094

* Including 10 rounds for shooting matches or private practice.

† In cases where the Officer Commanding desires the exchange, or where practice with aiming-tube cartridges cannot be carried out, ball or blank small-arm ammunition of equal value, according to the rates given in the priced vocabulary of stores, may be issued in lieu. Ten rounds of the allowance may be drawn for each recruit at such depôts as may demand it.

‡ When using the Martini-Henry rifle 11 rounds of this allowance in the case of Engineers and Infantry are to be carbine ammunition.

Any Engineer recruit who does not fire his trained soldier's course in his first year, may draw 10 rounds for private practice and shooting matches.

§ This allowance is to be drawn by men stationed at Head Quarter Stations of Companies, and in Egypt and Gibraltar; at other stations blank or ball ammunition of an equivalent value, according to the priced Vocabulary of Stores, may be drawn.

†† This ammunition will not be drawn for officers who on leaving the Royal Military College have passed out of the 3rd Class.

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Proportion of rounds of "good up to 300 yards" ammunition.

160. When ammunition, "good up to 300 yards," is held in store, it will be issued to the troops for practice and exercise as a portion of the annual allowance as follows :— 54 Gen. No. 5278.

Recruits of Infantry and Royal Engineers armed with the rifle, 21 rounds for independent and volley firing.

Trained soldiers of Garrison Artillery, 12 rounds for volley firing.

Trained soldiers of Infantry, 14 rounds for independent and vanishing target practice.

Marking of packages and boxes.

161. This ammunition will at all times be kept distinct from the rest, and will never be used as "Service."

The packages and boxes will be marked with slips as follows :—

"PRACTICE."

"AT OR WITHIN 300 YARDS."

Labels printed yellow.

162. These slips will be printed in yellow and pasted across the box and bundle label with shellac varnish, those on the box labels being also coated with the same. The ends of the boxes will be painted yellow and stencilled with date and initial place of packing. 54 Gen. No. 5207

Pistol ammunition.

163. The allowance for practice and exercise with pistols is 12 rounds annually for each man for whom a pistol is provided in time of war. 54 A. S. Corps 1941

Additional supplies of pistol ammunition on repayment.

164. Commanding Officers are authorised, subject to the approval of the General Officer Commanding, to draw on repayment for each officer to use with his own pistol, 36 rounds of pistol ammunition annually, should the state of the store admit of such issues being made. Under similar circumstances a further quantity may be obtained for the use of non-commissioned officers or men, not exceeding for Infantry battalions 72 rounds, for Cavalry regiments and batteries of Royal Horse and Field Artillery 36 rounds per pistol on charge. The value of these supplies issued on repayment will be recovered as directed in paragraph 32.

Basis for estimating demands.

165. The effective strength of the units on the 1st January at Home Stations, and 1st April at Stations abroad, will form the basis for estimating the quantities required for the annual practice and exercise ; but it should be understood that Commanding Officers will draw ammunition for the numbers actually present.

Ball ammunition for Officers.

166. Ball ammunition may be drawn at the rate of 80 rounds each for such regimental officers as may go through the course of "Individual Firing," but this ammunition will not be used for any other purpose.

Services embraced by

167. It is considered that the proportions of ammunition laid down in paragraph 159 will be sufficient for all

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requirements, including those for the regulated repetition practice by "bad shots" of recruits and trained soldiers; for testing rifles; and for funerals. general issues.

114 Art. 9752

168. The General Officer Commanding is authorised to sanction the issue on repayment of ammunition for matches, not exceeding 130 rounds for each competitor per annum. The value of the ammunition will be recovered in the manner prescribed by paragraph 32. Ammunition for matches on repayment.

169. Aiming tube cartridges, required for gallery or private practice, may be drawn from Ordnance Store on repayment by quarterly requisitions. Aiming-tube cartridges.

170. Non-commissioned officers and men to whom rifles or carbines are not issued as part of their equipment, when required to go through a course of musketry practice will do so with the arms of the unit to which they are attached, and will be included by that unit in the annual demand for ammunition. N.C.O. and men not having rifles or carbines.

114 Art. 9752

A.O. 58, 1892.

171. Requisitions for practice and exercise ammunition will be made on Army Form G 815, and should be sent to the Senior Ordnance Store Officer in sufficient time to admit of the issue being made for the annual musketry pactice as laid down in the Regulations for Musketry Instruction. Requisitions to be made annually.

172. The requisition will be made, although at the time the unit may be under orders to leave the district, *see* paragraph 35. When unit is under orders to move.

173. In the event of no issue of ammunition having been made prior to the unit leaving the station, the Senior Ordnance Store Officer will, on the application of the Commanding Officer, return the requisition with a certificate thereon that no supply has been made upon it; he will also add a memorandum stating the quantity, if any, of service and other ammunition given into store (*see* paragraph 64). When the requisition has been in part complied with, the Ordnance Store Officer will furnish the Commanding Officer with a balance certificate on Army Form G 802 showing the amount remaining due to the corps. Station from which to be drawn.

174. On the unit arriving at its destination, the requisition or balance certificate will be given to the Senior Ordnance Store Officer at the new station, and it will be a sufficient authority for the supply being made as required. In the absence of this requisition no issue can be allowed. Certificate is sufficient authority to draw an equal quantity.

1892. A.O. 150,

175. Any of the annual supply of ammunition, which has not been drawn by the end of the musketry year for which it is allowed, will be forfeited. At home, and in other temperate climates, the last day of the musketry year will be the 31st December; in other climates the 31st March. Ammunition forfeited.

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Complaints as regards defective ammunition.

175A. In all complaints regarding alleged defective small-arm ammunition, Commanding Officers will, in order to facilitate identification, cause the marks on the packages, and on the boxes, to be quoted. A.O. 331, 1890

III.—MACHINE GUN AMMUNITION.

Proportions of machine gun ammunition for practice and exercise.

176. The annual proportions of ammunition for practice and exercise will be as follows :—

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	Cartridges, Machine Gun.	
	Ball, for Practice.	Blank, for exercise and instruction.
	Per gun.	Per gun.
For each Regiment of Cavalry or Battalion of Infantry having Machine guns actually in possession ... Aldershot.	800	1,000
Ditto ditto ... ...Other stations.	400	500
For Stations. For each gun actually in possession, forming part of the armament (whether in the hands of Infantry or Royal Artillery) ... ... 0·4 inch gun	340 § †	50 § ‡
Ditto ditto ... ... 0·45 inch gun	290 § †	

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Infantry without machine guns.

177. When Infantry battalions have no machine guns in possession, they may carry out their annual practice with armament guns under the regulations laid down in paragraphs 145 to 148, at the discretion of the General Officer Commanding.

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IV.—GUN AMMUNITION FOR PRACTICE AND EXERCISE.

Reference to the detailed instructions.

178. The proportion of gun ammunition for practice and exercise of the Royal Artillery, and instructions relating thereto, will be found in Part 2, Artillery Special Instructions and Details.

§ The rounds drawn for the station are to be expended under the orders of the General Officer Commanding in training the troops at the station whether Infantry or Artillery.

† One complete box per two guns, to be taken from the ammunition of oldest date in charge as equipment of the guns.

‡ Except for maxim 0·45 inch guns.

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V.—BLANK AMMUNITION FOR REVIEWS AND FIELD DAYS.

Additional blank ammunition allowed for reviews and field days at special stations.

179. An extra allowance of blank ammunition may be ordered to be supplied at the discretion of General Officers Commanding, on the occasion of reviews and field days, to units present at the following stations. This extra allowance must not exceed the undermentioned proportions during the year. Issue may be made independently of the annual allowance of small-arm ammunition drawn under paragraph 159 and gun ammunition under Artillery Special Instructions and Details, Part 2, so as to provide for all occasions of reviews and field days.

Home.	Blank Small Arm Ammunition.	Blank Gun Ammunition.
Aldershot	100 rounds for each man,	100 rounds for each field gun
Chatham	30	...
Colchester ...	40	60
Cork	30	...
Curragh	100	125
Devonport and Plymouth ...	40	60
Dover and Shorncliffe	40	60
Dublin	30	60
Fermoy	30	...
London	20	...
Home District ...	...	60
54 Portsmouth ...	40	50
Gen. No. Strensall	40	60
3900 Woolwich	20	80
Abroad.		
A.O.101 1892. Bermuda	30	...
Canada	30	...
Cape	40	...
Ceylon	30	...
Egypt	30	...
Gibraltar	20	...
Hong Kong ...	30	...
Jamaica	30	...
Malta	20	...
Mauritius	30	...
Natal	40	...
Straits Settlements	30	...

The above proportions of small-arm ammunition will be calculated on the number of men at each station on the 1st June in each year.

Blank ammunition for moveable armaments.

180. An allowance of blank ammunition, not exceeding 20 rounds per piece annually, will also be allowed for all guns and howitzers in the movable armament of a district at home or station abroad for reviews, field days, &c.

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Form for requisitions.

181. Commanding Officers will make requisitions on Army Form G 804 for the ammunition to be supplied under paragraph 179, and it will be issued as required to each corps.

For inspections, reviews, or field days to be taken from annual allowance.

182. Ammunition expended at inspections, reviews, or field days must be taken from that included in the annual allowance for practice and exercise, except in such cases as are specially provided for by paragraph 179. If any departure from this regulation is considered desirable the authority of the Secretary of State must be obtained before any additional issues are made.

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VI.—CONVEYANCE OF AMMUNITION.

Notice prior to forwarding ammunition.

184. Neither gunpowder nor ammunition of any kind will be forwarded by, or to, any unit or Ordnance Depôt, until the officer forwarding the same is satisfied that the consignee is ready to receive it.

Responsibility as to loading and condition of wagons.

185. Whenever ammunition is conveyed in military wagons or carts, the loading will be performed by the troops, who will be held responsible for its correctness, as well as for the condition and suitability of the transport.

Application for military transport.

186. When military transport is required by the Ordnance Store Department, the Ordnance Store Officer will apply for it to the Officer Commanding Army Service Corps, stating the nature and weight of the ammunition to be conveyed, and specifying, when transit by rail is necessary, the particular hour by which such ammunition must be delivered at the railway station. The Officer Commanding Army Service Corps will then notify to the Ordnance Store Officer at what hour the wagons will call at the Ordnance Depôt for such ammunition. The wagons will be unloaded at the railway stations by the railway porters.

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Transport of ammunition from railway.

187. The consignee will arrange in like manner with the Officer Commanding Army Service Corps at the station for the transport of the ammunition (after its arrival at the railway station) to its destination. On such occasions, however, the loading of the wagons will be effected by the railway porters under the supervision of the troops, who will be held responsible that the wagons are properly loaded.

When horses only are applied for.

188. When horses only are required from the troops the application will state the number of wagons to go, the weight of ammunition to be conveyed, and the time the convoy should reach its destination. The Officer Commanding Army Service Corps will then send such horses as he may consider necessary, informing the Ordnance Store Officer when he may expect them at the Depôt.

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189. An officer or subordinate of the Ordnance Store Department will be in attendance at the Depôt at the time appointed to hand over the packages, convoy notes, and any wadmiltilts or other coverings that may be required, to the Officer Commanding the party, unless a conductor of the Ordnance Store Corps is appointed to accompany the convoy, which will invariably be the case whenever ammunition is forwarded by railway or other public conveyance. When a conductor is employed, he will be responsible for the ammunition, wadmiltilts, or other coverings, and will retain the convoy notes. Convoy notes will be dealt with as laid down in paragraph 71. Charge of packages, &c. Conductors with convoys.

190. A receipt will be given by the officer in command of the party for any coverings supplied to him, and he will return them into store when no longer required. Receipt for covering.

191. In the event of the orders existing in the district rendering a military escort necessary, the consignor will apply to the Commanding Officer for the escort, stating the day and hour when it will be required, and, unless the transport is provided by the troops, the number of wagons or carts to be escorted. Escorts, application for by consignee.

192. Should the ammunition be forwarded by railway, or water carriage, and the escort not accompany it, the consignee will make arrangements for the attendance of an escort, if required, to meet the ammunition on arrival, and conduct it to its destination. And by consignee.

193. Officers in command of escorts will prohibit smoking near the wagons, and will see that none of the party have lucifer or other matches in their possession. Smoking prohibited.

194. When ammunition is consigned to the troops, the officer who is the consignee will give to the conductor a receipt on the duplicate convoy note, and will be furnished by the conductor with the triplicate copy, which he will retain. Military consignees.

195. Should it be necessary to hire wagons for the conveyance of ammunition when consigned to the troops, the arrangements will be made by the Army Service Corps, on the application of the Commanding Officer. Hired transport for conveyance to troops.

196. In the conveyance of small quantities of small-arm ammunition by rail in the United Kingdom, to expedite issues to corps, and also to obviate the expense of the employment of powder vans, iron cylinders adapted for containing half and quarter barrels will be used. These cylinders will not, however, be required when the cartridges are packed in small-arm ammunition boxes. Iron cylinders.

197. Commanding Officers and others will, immediately on receiving these cylinders, empty and return them, with the spanners and bags supplied with them, to the Ordnance Store Officer at the station from which they were sent, using the same mode of conveyance as that by which they arrived. To be returned at once by same mode of conveyance.

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SECTION VI.—HARNESS, SADDLERY, STABLE NECESSARIES, AND EQUITATION ARTICLES.

To whom supplied.

198. Saddlery will only be supplied at the public expense to officers provided with horses which are the property of the public, to officers belonging to mounted units, Royal Engineers, and to certain officers of Army Service Corps as shown in Part 2.

Stable necessaries.

199. Stable necessaries, including nose bags, corn sacks, and corn bags, will be supplied on demand for all mounted services for horses which are public property, in the proportions laid down in the several corps details, Part 2. For hired horses when employed on the public service there may be issued 1 horse brush, 1 curry comb, and 1 sponge for every two horses, and a nose bag for each horse.

Unserviceable stable necessaries.

200. The stable necessaries which are supplied periodically need not, when unserviceable and replaced by fresh issues, be returned to store.

If unserviceable under the time allowed.

201. In the event of stable necessaries becoming unserviceable before the expiration of the period of duration prescribed for them, they must be replaced at the expense of the troops.

Pannels may be issued unstuffed.

202. Saddle pannels are, as a rule issued stuffed, but should it be advisable at any time to issue empty cases, they will be converted into pannels by the regimental artificers without charge, and the following proportions of materials will be supplied for stuffing each pair :—

			lbs.	ozs.
Officers, new pattern	....	hair, horse, saddlery	3	8
Universal pattern	....	„ „ „	1	4
Harness new pattern	drivers....	„ „ „	3	0
	luggage	„ „ „	2	0
Harness old pattern	drivers....	„ cow	3	8
	luggage	„ „	2	8

Proportion of hair for stuffed pannels.

203. When pannels are issued stuffed, the following proportions of hair, in addition to the ordinary annual proportions given in the several corps details, Part 2, will be issued :—

With each pair of new pannels for harness new pattern, and for saddlery, old and new pattern .... } ½ lb. of horse hair.

With each pair of pannels for harness, old pattern .... } ½ lb. of cow hair.

Officers will accordingly, in making demands for pannels, insert in their requisitions the proportions of horse hair or cow hair allowed for completing and fitting the stuffing.

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204. One quarter of an ounce of quilting twine will be allowed for each pair of cases. No issues under one ounce will be made; the regimental supply will be made use of when smaller quantities are required. Twine.

205. Equitation articles will be supplied to the mounted services in the proportions shown in the several corps details, Part 2, and will be accounted for in the same manner as other equipment. Equitation articles.

SECTION VII.—HORSESHOES.

For Mounted Services at Home and Abroad except in India.

206. Shoes and nails in assorted sizes, as detailed below, will be issued by Senior Ordnance Store Officers on the requisitions of Commanding Officers. Sizes of shoes and nails to be demanded.

54 Mtd. Infy. 465

Proportions of the various sizes of Horseshoes issued for Cavalry and Mounted Infantry Cold Shoeing.

Description.		No. per cent.	No. of nails.	Total of nails per set of 4 shoes.	
Shoes, horse, pairs	No. 2 fore...	.5	No 6	30	For Cavalry.
	No. 2 hind				
	,, 3 fore...	21	,, 6	30	
	,, 3 hind				
	,, 4 fore...	35	,, 7	30	
	,, 4 hind				
	,, 5 fore...	28	,, 8	30	
	,, 5 hind				
	,, 6 fore...	9	,, 8	36	
	,, 6 hind				
	,, 7 fore...	1	,, 9	36	
	,, 7 hind				
	,, 8 fore...	1	,, 9	36	
	,, 8 hind				
	,, 2 fore...	20	,, 6	30	For Mounted Infantry.
	,, 2 hind				
	,, 3 fore...	70	,, 6	30	
	,, 3 hind				
	,, 4 fore...	10	,, 7	30	
	,, 4 hind				

54 Mtd. Infy. 465

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Proportions of the various sizes of Horseshoes issued for Royal Artillery and Royal Engineers Cold Shoeing. A.O. 208, 1893.

Shoes, horse, pairs	Description.	No. per cent.	No. of nail.	Total of nails per set of 4 shoes.	
No. 3	fore	5	No. 6	30	For Royal Artillery.
	hind				
,, 4	fore	20	,, 7	30	
	hind				
,, 5	fore	28	,, 8	30	
	hind, without calkins	25	,, *9 or 8 heel holes		
	,, with calkins †	3	,, 10 toe ,,		
,, 6	fore	29	,, 8	36	
	hind, without calkins	25	,, *9 or 8 heel holes		
	,, with calkins †	4	,, 11 toe ,,		
,, 7	fore	12	,, 9	36	
	hind, without calkins	9	,, 9 heel holes ...		
	,, with calkins †	3	,, 11 toe ,, ...		
,, 8	fore	6	,, 9	36	
	hind, without calkins	4	,, 9 heel holes ...		
	,, with calkins †	2	,, 11 toe ,, ...		
,, 5	fore	21	,, 8	50	For Royal Engineers.
	hind, without calkins	18	,, *9 or 8 heel holes		
	,, with ,, †	3	,, 10 toe ,,		
,, 6	fore	33	,, 8	36	
	hind, without calkins	15	,, *9 or 8 heel holes		
	,, with ,, †	18	,, 11 toe ,,		
,, 7	fore	31	,, 9	36	
	hind, without calkins	11	,, 9 heel holes ...		
	,, with ,, †	20	,, 11 toe ,, ...		
,, 8	fore	15	,, 9	36	
	hind, without calkins	6	,, 9 heel holes ...		
	,, with ,, †	9	,, 11 toe ,, ...		

For A. S. Corps.

Officers commanding units of Army Service Corps will demand horseshoes of sizes as required.

Spare set of shoes.

207. A spare set of shoes, in addition to those on the horses' feet, with a proper complement of nails ready fitted for immediate use, and stamped with the army and squadron number, will at all times be in possession of the unit for every troop horse. 50 per cent. of these shoes and nails should be hand made, and the remaining 50 per cent. of shoes and nails machine made. These spare shoes and nails are to be used every quarter and replaced by new ones.

54
1 Dn. Gds.
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* According to brand of nail used.

† ~~For each pair of hind shoes with calkins,~~ 9 nails are allowed for toe holes and 9 for heel holes.

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A.O. 14, 1893.

Quantities to be demanded.

208. In making requisitions, Commanding Officers will demand shoes for one-half of the number of horses present, but not more at one time than three sets of shoes, with nails, per horse, this number of sets being presumably sufficient for three months. No greater proportion of shoes will be allowed without a certificate from the Veterinary Officer, countersigned by the Commanding Officer, explaining the exceptional circumstances which have rendered additional supplies necessary. During training the full complement of machine made shoes will be drawn by Mounted Infantry, viz., 1 set per month per horse.

54 Mtd. Infty. 470

A.O. 208, 1893.

Old shoes to be utilised.

209. Shoes in equal proportions of fore and hind, for one-half of the number of horses on the establishment, will be made in the forges of the various units out of the worn shoes removed from the horses, and any iron that may be required in addition will be supplied by the Ordnance Store Department, on a requisition from the Veterinary Officer, countersigned by the Commanding Officer.

Nail-rod when supplied.

210. Nail-rod, for making nails in the following proportions, will be supplied from the Ordnance Store Department on requisition from Commanding Officers :—

Rod, Nail, $\frac{3}{8}$-inch.

Cavalry regiments on the highest establishment	16 lbs. per squadron per month.
Other regiments....	12 lbs. per squadron per month.

A.O. 208, 1893.

In batteries of artillery, according to the number of horses as follows :—

104 horses	26 lbs. per month.
90 ,, ...	23 ,, ,,
86 ,, ...	22 ,, ,,
58 ,, ...	15 ,, ,,
50 ,, ...	13 ,, ,,
40 ,, ...	10 ,, ,,

38407 Equipt. 1640

In units of Royal Engineers and Army Service Corps, 1 lb. per month for every four horses or fraction of four.

Arrangements as to shoes and nails when changing station.

211. When units march from one station to another, one fore and one hind shoe (with nails) will be carried on each horse, and Commanding Officers will arrange to send forward as heavy baggage, to such points in the line of march as may be most convenient, any further numbers likely to be required on the march, not exceeding one set per horse for the entire strength, and will return the remainder (including any old shoes in possession) to store, or, if there is no Ordnance Store at the Station, hand them over to the incoming unit ; in either case obtaining a receipt. The shoes removed from the horses' feet on the march will be returned to store, should opportunity offer, and a receipt likewise obtained

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for them, unless they can be conveniently carried by the regimental transport. When the route of the unit lies through an Ordnance Store station, any shoes required will be drawn there, so as to obviate, as far as possible, the expense of sending shoes forward by rail. On the arrival of the unit at its destination a number of new shoes equivalent to those returned to store, or handed over may be drawn; one new shoe being considered equal to two old ones, and the receipts above referred to being attached to the requisition.

14 Artillery 617

If the unit proceeds by rail from one station to another, one fore and one hind shoe (with nails) will be taken, the balance being returned to store or handed over to the incoming unit if there is no Ordnance Store at the Station, and others drawn in lieu as directed above.

Should the station to which a unit is moved have no Ordnance Store Depôt, special arrangements for the supply of shoes and nails from the nearest store depôt will have to be made.

Shoeing officers' horses.

212. Officers' horses may be shod, if desired, with store shoes, such shoes and nails to be paid for at the rate of one shilling and tenpence per set. The farriers will render a monthly return of the number of officers' horses thus shod, in order that the necessary credit may be given for the value of the shoes and nails in the pay list. All other shoeing must be done by private arrangement, and with private materials.

Forge tools.

213. Forge and shoeing tools (except the barrack fixtures provided by the Royal Engineers) will be drawn from the Ordnance Store Department, and held on Equipment Ledger charge.

54 Artillery 2713

A set of forge tools will consist of :—

Woolwich Store Charge 7.

Chests, tool, empty, No. 7	....	1
Chisels, farriers	....	2
Cresses, sets of 2	sets	1
Cutters, anvil, nail, farriers	....	1
„ „ flat, smiths	....	1
„ half-round	....	2
Fullers, farriers	....	2
Hammers, farriers, pointing	....	1
„ „ turning	....	1
„ „ sledge	....	2

54 Gen. No. 5870

Woolwich Store Charge 8.

Pritchals	4
Stamps	2
Tongs, farriers, fire	1
„ „ turning, large	1
„ „ „ medium	1

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Woolwich Store Charge 8—continued.

Tongs, farriers, turning, small	....	1
Pokers, smiths	....	1
Slice, farriers	....	1
Stake ,, ...	....	1

The proportion in which these sets of tools will be supplied to each unit is as follows :—

Regiment of Cavalry	.... sets	6
Cavalry Depôt, Canterbury	.... ,,	6
Mounted Unit and Field Company of Royal Engineers	.... sets	1
Company of Army Service Corps	,,	1
Battery of Mountain Artillery	,,	1
,, of Royal Horse Artillery	,,	1
,, of Field Artillery	.... ,,	1

Eight sets of shoeing tools (two sets per squadron) will be allowed to each Cavalry regiment, one set to each mounted unit and field company Royal Engineers, and three sets for each Army Service Corps company, as shewn in the various Corps details.

The shoeing tools and number of sets allowed for a battery of Horse, Field or Mountain Artillery, are given in Section XI, Part 2.

Worn out rasps may be retained and used for steeling horseshoes.

214. For the convenience of farriers, shoes or nails can be obtained separately in sizes, but unless specifically demanded, nails will be issued with shoes in the proportions shown in the following table. Each box of shoes of one size will be packed with the due proportion of nails appropriate to that size of shoe. Nails may be obtained separately. Sizes of nails.

Table of Nails for Horse, Mule, and Pony Shoes.

Description of Shoes.	Nails required for the several Shoes. Designation Number.	No. per set of shoes.	Remarks.
Horse Shoes.			
No. 1 fore ... ... / hind	3 or 4*	30	
,, 2 fore ... ... / hind	6		
,, 3 fore ... ... / hind	6	30	
,, 4 fore ... ... / hind	7		
,, 5 fore	8		
,, 5 hind without calkins ...	8		
,, 5 hind with ,, † ...	9 or 8 heel holes* 10 toe ,,		
,, 6 fore	8	36	
,, 6 hind without calkins ..	8		
,, 6 hind with ,, † ...	9 or 8 heel holes* 11 toe ,,		

* According to brand of nail used.

† For each pair of hind shoes with calkins 9 nails are allowed for toe holes, and 9 for heel holes.

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Table of Nails for Horse, Mule, and Pony Shoes—*continued.*

Description of Shoes.	Nails required for the several Shoes.		Remarks.
	Designation Number.	No. per set of shoes.	
Horse Shoes—contd.			
No. 7 fore	9	36	
No. 7 hind without calkins ...	9		
No. 7 hind with ,, † ...	9 heel holes 11 toe ,,		
,, 8 fore	9		
,, 8 hind without calkins ...	9		
,, 8 hind with ,, † ...	9 heel holes 11 toe ,,		
Mule Shoes.			
,, 11 ,, 12 (also for donkeys)	4 or 3* 5 or 4*	30	
,, 13	6 or 5*		
,, 14	6		
,, 15 ,, 16	7	40	
Pony Shoes.			
,, 21 fore ... ... hind	4 or 2	30	

Infantry Regimental Transport.

Infantry Regimental Transport.

215. Horseshoes will be issued on demand, at the rate of one set per month, for each animal borne on the establishment of regimental transport in battalions of infantry, together with the proportion of nails specified in the preceding table.

54 Gen. No. 4867

Military Mounted Police.

Military mounted police.

216. The Military Mounted Police will draw machine made shoes for the whole of the horses on their Establishment, in such quantities as may be required, all worn out shoes being returned to Ordnance Store for disposal. At stations other than Aldershot no forge or shoeing tools will be specially issued, the shoes being placed on the horses feet by the Serjeant Farriers of the Corps to which the horses are attached. At Aldershot one set of Forge and Shoeing tools, as allowed for Cavalry, may be drawn for the Quartermaster Serjeant Farrier attached to the Staff.

49 Mily. Police 3

The proportions of the various sizes of horse-shoes to be drawn as follows :—

Description.	No. per cent.	No. of Nails.	Total of nails per set of 4 shoes.
Shoes, horse, pairs No. 5 fore hind	50	No. 8	30
Shoes, horse, pairs ,, 6 fore hind	50	,, 8	36

* According to brand of nail used.

† For each pair of hind shoes with calkins 9 nails are allowed for toe holes, and 9 for heel holes.

38407 Equipt. 1564

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Frost Nails.

Frost nails.

217. On the 1st September in each year demands will be put forward by Officers Commanding mounted units at home (Jersey and Guernsey excepted) for frost nails in the following proportions :—

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	No. of nails per horse.
Cavalry	40
Royal Artillery (Horse, Field, and Mountain Batteries)	40
Royal Engineers	40
Army Service Corps	120
Infantry (Regimental Transport)	60
Military Mounted Police	120

The nails remaining on hand on the 31st March following will be returned to store.

SECTION VIII.—CAMP EQUIPMENT AND INTRENCHING TOOLS.

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Proportions of camp equipment.

218. The following table shows the proportions of camp equipment and intrenching tools to be issued for mounted and dismounted services. Any articles not mentioned therein may be drawn for manœuvres as laid down for "Field Service," and for other encampments, including occasions when barracks are temporarily vacated as laid down for standing camps in the tables of details appended to Part III :—

	General proportions for all services.	Per Battalion of Infantry.	Per Regiment of Cavalry.
Woolwich Store Charge, 2.			
Axes, felling, curved helve	... ...	10 of each	10 of each
Axes, hand ...			
Axes, pick... ...			
Bars, crow	... ...	1	1
Blankets, horse ...	1 per public service horse	... ...	...
38407 **Covers,** saddle ...	1 per set of saddlery or per single set of harness	... ...	...
Equipt. **Hooks,** bill	... ...	... ...	10
1602 **Kettles,** camp, oval, 12 quarts	1 per 8 warrant officers, non-commissioned officers and men	... ...	...
Lamps, candle ...	Candlesticks may be issued in usual proportions in lieu	... ...	...
54 Gen. No. 5132 **Pads,** surcingle ...	1 per surcingle*		
Ropes heel, double shackle	15 per cent. number of horses for peace manœuvres	... ...	...
57 York. 2317 **Ropes** head, cotton ...	1 per horse	... ...	...
Racks, arm, tent ...	1 per N.C.O. and men's tent, and 1 per guard tent. For Horse, Field, and Mountain Artillery 1 per subdivision, and 1 per guard tent only	... ...	...

* If not in possession of the corps as regular equipment.

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	General proportions for all services.	Per Battalion of Infantry.	Per Regiment of Cavalry.	
Woolwich Store Charge, 2—continued.				
Screens, latrine ...	3† per unit other than Cavalry and Infantry	6†	4†	
Sheets, ground, waterproof‡	8 per tent, or 1 for each person in tents occupied by a less number than 8	... ...	...	2 Gen. No. 3222
Shovels	10 of each for units other than Cavalry and Infantry	10	10	
Spades, N.P. ...				
Surcingles, web* ...	1 per public service horse.	... ...	...	
Tents, circular, double, linen	To be issued instead of officer's marquees where allowed	... ...	...	
Tents, complete, circular, single, linen	Officers per company, 1; squadron serjeant-major and squadron quarter-master-serjeant per two squadrons, 1; per 10 mounted men, 1; per 12 unmounted men, 1	... ...	..	57 Gen No. 5430 A.O. 92, 1893. A.O. 71, 1891.
Tents, marquee, hospital (for officers' mess, serjeants' mess, and recreation room)	3 per 2 companies or less, Royal Engineers; 3 per 2 batteries or less, Royal Artillery; and 3 per 2 companies or less, Army Service Corps	3 (when there are more than 24 officers, 2 marquees will be allowed for the officers' mess).		
Wedges, sawyers'...	2 per unit other than Cavalry and Infantry	2	2	
Woolwich Store Charge, 3.				
Stretchers, regimental	1 per mounted or unmounted unit	... ...	...	
Woolwich Store Charge, 4.				
Carts, ammunition, small-arm	... ...	1	1	
Carts, water ...	... ...	2	1	
Woolwich Store Charge, 7.				
Hammers, sledge, smith's, 14 lbs.	1 per unit other than Cavalry and Infantry	1	1	
Woolwich Store Charge, 10.				
Forges, packsaddle	1 per mounted unit other than Cavalry unprovided with G.S. wagon fitted with forges	... ...	1	
Woolwich Store Charge, 26.				
Pails, iron, galvanized, 4 gallons	1 per warrant officers, N.C.O. and men's tent	... ...	...	
Woolwich Store Charge, 27.				
Blankets, G.S. ...	2 for each warrant officer, non-commissioned officer and man	... ..	...	57 Gen. No. 4776
				2 Gen. No. 3222

* Not required with the Mark II horse blanket.
† 1 Extra screen may be issued for bathing places when considered desirable.
‡ When tent bottoms are not issued.

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219. Camp equipment and such other stores issued in connection therewith as may be received for temporary use for manœuvres or other encampment purposes, and for like services, will not be brought on charge in the equipment ledgers, but will be accounted for on Army Form G 973 to the Ordnance Store Officer with whom the transactions occur. For temporary use not taken on ledger charge.

220. Tents only (and bed boards and trestles if necessary) will be supplied by the Ordnance Store Department to supplement barrack accommodation. All other barrack stores will be supplied by the Army Service Corps. Supply of tents and barrack stores.

57 Army 1009 **221.** When the General Officer Commanding finds it necessary to increase the regulated proportions of stores supplied in camp, he will proceed as directed in paragraph 6. Increase in proportions.

222. In all issues for camps of manœuvre or flying columns at home, the General Officer Commanding may, if he thinks fit, reduce the proportions in view of the requirements of the particular service, and the strength of the troops and companies, and so diminish the weights to be transported. Reduction of proportions.

54 1 | 91 136 **223.** Whenever a General Officer Commanding directs that shelter-trench drill is to be carried out at a station where there is an Ordnance Store, or which can easily be supplied from one, the following articles will be issued to a battalion :— Supply of articles for shelter-trench drill.

2 Pickets, tracing.
1 Tape, tracing.
50 Axes, pick { Heads, $2\frac{3}{4}$ lbs. / Helves, 29 ins.
50 Shovels, light, cast steel.

54 1 | 91 136 **224.** The articles will be brought to account in the Equipment Ledger and returned to Ordnance Store as soon as the drill is completed, or before the battalion leaves the station if the drill is not then completed. Return of drill articles.

225. At stations which cannot easily be supplied from Ordnance Store, the articles mentioned in paragraph 223 will be issued as directed by the Regulations for Army Service Corps Duties. Stations not easily supplied from Ordnance Store.

226. All Officers furnishing equipment ledgers will account for camp equipment as laid down in paragraph 219, and prior to leaving the camp, or at the termination of the service, they will see that all the articles taken on charge are duly accounted for on Army Form G 973, as either returned into store or deficient. Any deficiencies will be charged against the unit, except in the case of wooden tent pins, of which 5 per cent. may be written off charge as expended by fair wear. Accounting for camp equipment. Tent pins.

227. Staff Officers or others who are entitled to camp Equipment, but who are not accountants to the War Office Method of drawing camp equip-

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ment by non-accountants. for such equipment, and are not attached to a corps, will make their requisitions in duplicate on Army Form G 968. The depôt of supply will be inserted by the Ordnance Store Officer, who will retain one copy of the requisition and return the duplicate, which, when signed by the person receiving the stores, will be given as an issue voucher to the Ordnance Store Officer at the supply depôt, who will give the officer responsible for the stores a receipt voucher, by which to take them on local charge on Army Form G 973. The officer drawing the stores will be held responsible for their due return to Ordnance Store, and when the stores are returned a receipt voucher on Army Form G 1033 will be sent with them, upon which will be given particulars as to the date of the original supply and by whom made, so that the stores may be identified by the Ordnance Store Officer receiving them.

Wood bottoms for circular tents.

228. Wood bottoms for circular tents will be issued only when, owing to the dampness of the ground or to other causes, their use is certified to be necessary by the Principal Medical Officer. They will not be supplied for store, office, or workshop tents.

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229. The General Officer Commanding, in authorising the supply of wood bottoms, will proceed as directed in paragraphs 5 and 6.

Picketing gear, etc., for officers' horses and hired horses.

230. Nosebags, picketing gear, waterproof covers for saddlery, and forage nets, will be supplied in camp free of charge for the regulated number of Officers' horses, and for such hired horses as may be employed on the public service. For those hired horses there will also be supplied blankets, and surcingles and pads when required, as for horses which are public property.

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Barrack stores in standing camp.

231. Such barrack stores as are necessary for troops when in standing camp will be specially applied for to the Ordnance Store Department by Commanding Officers and will be accounted for as directed in paragraph 219.

Mounted units proceeding by route march.

232. Mounted units proceeding by route march in the United Kingdom, require no camp equipment when the men and horses are billeted nightly. In cases where it is necessary to encamp during the march, Officers Commanding units will make requisition, previous to marching, for the camp equipment they require, being guided generally by the proportions laid down for "Field Service," but demanding only such articles as are absolutely necessary.

All articles to be thoroughly dried before being given into store.

233. To prevent the great injury which arises from damp and mildew, all tents, blankets, nosebags, sheepskins, canvas and leather buckets, and other canvas, linen, cotton, woollen, or leather articles which have become wet while in use, will be thoroughly dried, and cleaned as far as possible by the troops, before being returned into store.

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Camp kettles to be cleaned.

234. Camp kettles and other articles liable to injury from rust, will also be dried and cleaned by the troops before being sent into store.

Troops under canvas moving.

235. When troops under canvas have to march on immediate orders, the Senior Ordnance Store Officer will confer with the Officer Commanding the troops as to the steps which should be taken for the drying and cleaning of the camp equipment, prior to its being returned into store on the breaking up of the camp.

Officer commanding to be informed of irregularities.

236. The Senior Ordnance Store Officer will bring to the notice of the Officer Commanding the troops any instance in which the camp equipment is not returned into store in a proper state, due allowance being made for fair wear and tear.

Tents for instruction in pitching and striking.

237. Four used circular tents may be supplied to each regiment of Cavalry and battalion of Infantry and each Regimental District requiring them, for the purpose of instruction in pitching and striking. Batteries of Horse and Field Artillery and units of Royal Engineers are allowed two tents, companies of Garrison Artillery and companies of the Army Service Corps and Ordnance Store Corps, one tent each. Headquarters of companies of Medical Staff Corps will be supplied with one circular tent and one marquee each. Unserviceable articles will be utilized. These tents will be brought on charge in the equipment ledgers, and will be dealt with as equipment.

A.O. 92, 1893.

57 Gen. No. 4051

Supply of camp kettles, &c., for instruction.

238. To carry out the instructions in "Field Training," referred to in the "Infantry Drill," Part X, ten kettles, camp, oval, twelve quarts, may, when required, be drawn from Ordnance Store by each battalion for the use of the company struck off duty. For Cavalry ten kettles, camp, oval, twelve quarts; six axes, pick, 6½ lbs., and six spades, may be issued for each regiment. For Medical Staff Corps each headquarters of companies will be supplied with three kettles, camp, oval, twelve quarts; three axes, pick 6½ lbs.; one hook, bill; one bundle of brush-wood pickets; and four spades N.P. They will be brought to account in the equipment ledger in the usual manner. On change of station these stores, together with those specified in paragraph 237, will be handed over to the incoming unit.

A.O. 331, 1890.

57 Malta 8307

A.O. 58, 1892

57 Gen. No. 4051

57 Malta 8307

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57 Gen. No. 4288

Additional articles for instruction.

239. The articles detailed below will be issued in addition to the tents and tools authorised to be supplied for instructional purposes by paragraphs 223 to 225 and by paragraphs 237 and 238.

Cordage	white, 3-strand, ¾-inch, 4 feet long .... pieces	20
	tarred, 1½-in., 20 ft. long „	20
Spars, wood, 12 ft.		6

These articles will be issued on the terms stated in paragraphs 236 and 237.

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Picketing gear for Cavalry.

240. Picketing gear sufficient for one squadron as detailed below, will be issued, if required, to each regiment of Cavalry in addition to the tents allowed for instructional purposes by paragraph 237 :—

A.O. 302, 1890.

	For a regiment.	
	At Peace Strength.	At War Strength.
Mallets, heel peg	10	12
Pegs, picketing, with hide loop ..	80	96
Ropes { head	76	96
Ropes { heel	76	96
Ropes { picketing, 4 feet 9 inches ..	76	96

SECTION IX.—ARTIFICERS AND TRADE TOOLS.

I.—Artificers Tools.
II.—Tools for Military Tradesmen.

I.—ARTIFICERS TOOLS.

Supply of boxes and tools for Armourers.

241. An Armourer's box with tools (as detailed in Appendix IV) will be supplied to each unit provided with an armourer serjeant. These articles will be kept up by the armourer serjeant for the period of duration assigned to them, and will be inspected quarterly by a competent person under the orders of the Commanding Officer, who will certify in the equipment accounts that this service has been performed. A special examination of the box and tools will be made on the transfer of these articles from one armourer serjeant to another, to ensure their being handed over in a complete and efficient state.

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Instructions for packing armourers tools, &c.

242. Instructions for packing armourers' tools and spare parts of small arms to be carried out by units on embarkation for distant Stations abroad are printed in the Instructions for Armourers. These directions do not apply to troops proceeding to the Mediterranean, West Indies, British North America, or Bermuda.

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Tools for regimental artificers.

243. Tools supplied for the use of regimental artificers in repairing the service equipments or armaments, or for the general service of the Army, are not to be employed for private purposes. Lists of tools for repair of the service equipments or armaments are given in the several details of Cavalry, Royal Artillery, and Royal Engineers, Part 2, and of tools for general service in Appendix V.

Tools for Pioneers.

244. A set of pioneers' tools and appointments is issued for each battalion of Infantry, and each squadron of Cavalry, including Household Cavalry. These tools are described in the Cavalry and Infantry Details, in Part 2.

II.—TOOLS FOR MILITARY TRADESMEN.

Issue to cavalry, infantry, and head-quarters R.A.

245. With the view of encouraging the employment of soldiers in trades, sets of tools will be supplied to regiments of Cavalry, battalions of Infantry, and principal Stations of Royal Artillery at the public expense, under the special sanction of the Secretary of State in each case, and subject to the following conditions:—

Conditions of issue.

a. That there are qualified tradesmen to use them.

b. That they remain in charge of the unit to which they are issued and are only returned to store on the authority of the Secretary of State obtained through the General Officer Commanding, and on the understanding that the unit so returning them will be charged with the difference between their original cost and their actual value at the time of their receipt into store.

c. That they be kept in order, repaired, or replaced when lost or worn out by use, at the cost of the unit.

d. That articles required to replace any of those issued, be demanded of the Ordnance Store Department, in order to ensure uniformity of pattern.

Lists of these tools will be found in Appendix V.

Inspection of tools.

246. Commanding Officers will direct an inspection of the tools to be made quarterly, and will certify in the Ledgers in which they are brought on charge that this service has been performed.

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Accounting for tools issued to R.A.

247. When tools are issued to the Royal Artillery, under paragraph 245, they will be accounted for by the officer commanding the depôt company, or where no depôt company exists, by the officer commanding a service company in the district to be detailed by the officer commanding Royal Artillery, in accordance with Part 2, Section XII.

Not allowed to Regimental Districts.

248. Tools for trades will not be allowed to Regimental Districts.

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SECTION X.—SIGNALLING EQUIPMENT AND RANGE-FINDERS.

I.—Signalling Equipment.
II.—Range-finders.

I.—SIGNALLING EQUIPMENT.

Stores, requisitions for.

249. On the appointment of an Instructor in a unit, the Commanding Officer will forward to the Senior Ordnance Store Officer a requisition, in duplicate, on Army Form G 997, for the stores that constitute the Signalling Equipment as laid down in the several corps details, Part 2. A.O. 58, 1892.

To what corps supplied.

250. These supplies will be confined to regiments of Cavalry and battalions of Infantry, each company and depôt of Garrison Artillery, the Royal Malta Artillery, to head quarter stations of Commanding Royal Engineers (for Companies of Royal Engineers), and to the Cavalry Depôt, Canterbury. They will not be supplied to Regimental Districts. Heliographs and lime-light apparatus will not be taken to India; but will be returned to Ordnance Store before the survey required by paragraph 83 is held. A complete set of signalling equipment will be held on station charge at Jamaica and at St. Lucia, for use in case of necessity.

Heliographs and lime-light apparatus not to be taken to India.

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Army Signalling companies.

251. Signalling companies are only formed in time of war, and the details of their equipment will be found in Part 3.

II.—RANGE-FINDERS.

To what corps supplied.

252. Range-finders will be supplied to regiments of Cavalry, battalions of Infantry batteries of Horse and Field Artillery, and field Companies, Royal Engineers, as shown in the several corps details.

Instructions as to supply and inspection.

253. Instructions as to range-finders for Cavalry and Infantry are given in Appendix VI. and for Artillery and Engineers in Part 2.

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SECTION XI.—LITHOGRAPHS.

254. Lithographs of Warlike Matériel prepared in the Manufacturing Departments, Royal Arsenal, Woolwich, are issued as under :— Lithographs.

	R.L. and R.G.F. only.	R.C.D., R.L., and R.G.F.		
	To Officers Commanding R.A., for instructional purposes.	To Officers Commanding R.A. districts for reference.	To Ordnance Store Officers for Departmental use.	To Commanding R.E., as from time to time selected.
Home.	Of each.	Of each.	Of each.	Of each.
Aldershot	1	1	...	1
Aldershot { North Camp	...	...	...	1
Aldershot { South Camp	...	...	...	1
Belfast	...	...	...	1
Birmingham ...	...	...	...	1
Brighton	...	...	...	1
Chatham	...	...	2	1
Chester	...	...	1	...
Colchester ...	1	1	...	1
Cork	1	1	1	1
Curragh	...	...	...	1
Devonport ...	1	...	2	1
Dover	1	1	1	1
Dublin	1	1	1	1
Edinburgh... ...	...	1	1	1
Exeter	...	...	...	1
Gosport	1	...	...	1
Gravesend	...	...	...	1
Guernsey	...	1	...	1
Harwich	...	...	1	...
Inverness	...	...	...	1
Ipswich	1	...	...	...
Isle of Wight ...	...	...	...	1
Jersey	...	1	...	1
Leith Fort... ...	1	...	...	...
Liverpool	1	...	...	1
London	...	...	...	1
Londonderry ...	...	1	...	...
North-Eastern District (York)	...	1	...	1
North-Western District (Chester)	...	1	...	...
Newbridge... ...	1	...	...	...
Newcastle	1	...	...	1
Pembroke	1	1	1	1
Plymouth	...	...	...	1
Portsea	...	...	...	1
Portsmouth ...	1	...	3	...
Sheerness	1	1	1	1
Sheffield	1	...	...	...
Shoeburyness ...	1	...	...	1
Shorncliffe... ...	1	...	...	1

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	R.L. and R.G.F. only.	R.C.D., R.L., and R.G.F.		
	To Officers Commanding R.A., for instructional purposes.	To Officers Commanding R.A. districts for reference.	To Ordnance Store Officers for Departmental use.	To Commanding R.E., as from time to time selected.
Home—contd.	of each.	of each.	of each.	of each.
Southern District (Portsmouth)	...	1	...	1
Sunderland ...	1	...	...	...
Tynemouth ...	...	...	1	...
Weedon	1	...	1	...
Western District (Devonport)	...	1	...	1
Western Forts ... (Isle of Wight)	1	...	...	...
Weymouth ...	1	...	...	1
Woolwich ...	1 for each district (Horse and Field and Garrison).	1	...	1
Yarmouth	1	...	...	...
York	...	...	1	1
Abroad.				
Barbados	...	1	...	1
Bermuda	1	1	1	1
Cape Town ...	1	1	1	1
Ceylon, Colombo...	1	1	1	1
Cyprus	...	...	...	1
Egypt	...	...	...	1
Gibraltar	1	1	1	1
Halifax, N.S. ...	1	1	1	1
Hong Kong ...	1	1	1	1
Jamaica	...	1	1	1
Malta	1	1	1	1
Mauritius	...	1	1	1
Natal	...	...	...	1
Sierra Leone ...	...	...	...	1
St. Helena... ...	...	1	1	1
Straits Settlements	1	1	...	1
Commandant, School of Military Engineering ...	...	...	...	3

Other services.

255. The issue of lithographs to Officers and Departments, not specified in the foregoing Table, will be specially provided for.

Quarterly lists.

256. Quarterly lists of lithographs added to the series are published in the Lists of Changes in War Matériel.

Text books, hand books, and range tables.

257. Text books, hand books and range tables will be issued as laid down in Part 2, Artillery Special Instructions and Details.

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SECTION XII.—MISCELLANEOUS STORES.

Intrenching implements.

258. Intrenching implements will be supplied to battalions of Infantry in the proportions shown in Part 2. When one Infantry battalion replaces another in the 1st Army Corps, 35 per cent of the intrenching implements in possession of the outgoing battalion should be handed over to the incoming battalion, to complete equipment to 50 per cent. of the establishment; the transaction being passed through the Ordnance Store ledgers.

Pace sticks, and other articles.

259. Pace sticks, ropes for drill, saluting flags, regimental camp colours, letter bags, metronomes with stands, boxes for conveyance of stationery in time of peace, cleaning materials for offices, and other miscellaneous stores, will be provided out of the Allowance for Miscellaneous Stores, granted by the Allowance Regulations.

A.O. 198, 1891.

Box, school materials.

260. One "Box, school materials," will be supplied to each regiment of Cavalry and battalion of Infantry.

261. One "Box, school materials," will also be issued to every Schoolmaster on appointment. This box will be renewable after 12 years, if unserviceable. It will be accounted for by the Staff (or other) Officer under whom the Schoolmaster is serving.

Instruments for field sketching.

262. A set of instruments for instruction of non-commissioned officers in field sketching and reconnaissance will be issued to each regiment of Cavalry and battalion of Infantry. They will not be taken to India, but will be returned to Ordnance Store before the survey, required by paragraph 83, is held.

Stationery articles.

263. The necessary colours, brushes, papers, pencils, cardboard, string, indiarubber, and other articles of stationery will be supplied, on receipt of a requisition from units, on Army Form L 1380.

Stores for veterinary purposes.

264. Consumable stores for veterinary purposes will be issued quarterly in the proportions given in the following Table on the requisition of the Veterinary Officer in charge of the unit, countersigned by the Commanding Officer of each unit concerned. The requisition will be made on Army Form G 1027. It will state the number of horses for which the stores are required, and will show any articles remaining unexpended at the time. These stores will not be accounted for in the equipment ledgers, but will be a final issue from Ordnance Store, and the issue voucher

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upon which they are charged will be signed by the Veterinary Officer only. The proportions of blankets, and of pads and surcingles when required, allowed for sick horses will form part of the equipment of the unit, and be included in the equipment ledger.

CONSUMABLE STORES FOR VETERINARY PURPOSES.

3 Months Supply.	Per 100 Horses.
Woolwich Store Charge 3.	
Flannel, old (for fomentations) .... lbs.	7½
Woolwich Store Charge 5.	
Numnahs, old (for foot swabs)	2
Sponges, G.S.	2*
Woolwich Store Charge 8.	
Pins, mixed .... oz.	¼
Woowich Store Charge 11.	
Corks, assorted	6
Woolwich Store Charge 18.	
Canvas, packing, Hessian, 47 inch (for poultices) yds.	2
Tow { coarse .... lbs.	2
Tow { fine .... ,,	1
Twine, packing, small .... oz.	1
Woolwich Store Charge 27.	
Tape, white, ¾-inch .... pieces	1*
Woolwich Store Charge 22.	
Paper { brown, common (for packing) .... quires	¼
Paper { white, fine (for balls) .... ,,	¼
Woolwich Store Charge 27.	
Bandages, horse....	6
Blankets, grey, worn out { "A" (Remount) Co. A.S.C.	50†
Blankets, grey, worn out { "B" ,, ,, ,,	50†
Linen, unbleached (for bandages) .... yds.	3

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* To be drawn at these rates every six months only.
† These are the total quantities to be drawn for each company annually.

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265. DETAIL OF WAGONS AND CARTS.

A.O. 58, 1892.

	Number of lashings allowed per vehicle.
Wagon, forge, R.A., Mark III.	2—32-ft. ropes.
,, Artillery, Mark I.	2 ,,
,, G.S. heavy spring	2 ,,
,, light spring and surgery	2 ,,
,, G.S., Marks II., III., IV., V., VI., and VII...	2 ,,
,, ammunition and store, Mark II. ..	2 ,,
,, forge, Mark II.	2 ,,
,, store, Marks I. and II.	2 ,,
,, forge, R.E.	2 ,,
,, G.S., R.E.	2 ,,
Carts, tip, with loops, Mark II.	2—16-ft. ropes.
,, Maltese, Mark III.	2 ,,
,, ,, IV.	2 ,,
,, tip, Mark II...	2 ,,

Rope for lashing a load.

In order that a rope of sufficient strength to lash on the load when necessary may be always available with the vehicles detailed above, 1½-inch tarred ropes, 16 and 32 feet in length respectively are supplied (*see* § 6377, *List of Changes*). They may be used for lacing on the cover or lashing up the load. The covers of wagons and carts affected will be altered locally.

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Vehicles to have full complement of straps.

All vehicles of service pattern, whether in store or as equipment in possession of troops for local or other transport purposes, should at all times be complete with the straps appertaining to them. The straps should be in the custody of the officer who has the vehicles in charge, and should not be kept on the vehicles unless actually required for use.

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SECTION XIII.—MARKING EQUIPMENT.

I.—General Instructions.
II.—Marking Artillery Stores, &c.
III.— ,, Arms.
IV.— ,, Accoutrements.
V.— ,, Musical Instruments.
VI.— ,, Harness and Saddlery.
VII.— ,, Squad Bags.
VIII.— ,, Regimental Depôt Equipment.

I.—GENERAL INSTRUCTIONS.

Stamps for marking.

266. Stamps are supplied to the various services requiring them, for marking arms, accoutrements, harness, and saddlery. The adoption of an unauthorised method of marking, or the employment of stamps differing from the standard patterns, will render a unit liable to charges for damage.

Permanent marking limited.

267. With the exception of articles of equipment for man and horse, stores issued for the service of the troops are not to receive any indelible corps marks which would render them unfit for re-issue. Should it be found on such articles being returned into store that they have been so defaced, the cost of the articles will be charged against the unit for the use of which they were issued.

Articles temporarily supplied not to be marked.

268. Articles of equipment supplied from time to time for temporary purposes will not receive corps marks, with the exception of extra service accoutrements supplied to corps and Regimental Districts in excess of their regulated strength.

How marked for detachments.

269. Should additional equipment be issued to detachments as in paragraph 94, the marking will be from 1 upwards, but with the prefix 0. The marking would thus read 01, 02, 03.

Equipment marked by artificers.

270. As a general rule the service of marking the equipments is performed, free of charge, by the paid regimental artificers, as part of their duty. Money allowances are however granted for marking Artillery stores

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connected with armaments, accoutrements and musical instruments in certain cases, and squad bags when first issued. The allowances for marking accoutrements and squad bags cover both labour and the ink or paint required.

Marking baggage.

271. The paint required for marking baggage (*see* Queen's Regulations) may be purchased by Commanding Officers as required, the charge being supported by a certificate stating the number of packages marked.

Branding irons.

272. Branding irons will be supplied to all mounted corps, as shown in the several corps details.

Stores for an Army in the Field to be distinguished by coloured symbols.

273. Stores consigned by the Ordnance Store Department for the use of the various arms and Departments of an Army in the Field will be distinguished by the coloured symbols described in Part 3.

II.—MARKING ARTILLERY STORES, &c.

(*See also Appendix X.*)

Marking and painting handles of tools, &c.

274. All side arms, handspikes, levers, as well as the handles of all intrenching tools, and other articles required for manual labour, will be left unpainted. When it is necessary to mark these articles, they will be lettered in paint, with the distinguishing marks of the unit to which they respectively belong.

Marking armaments.

275. One gun, one carriage, one slide, and one pile of shot or shells in each battery, will be marked with the date of painting; and, in the event of its being necessary to exchange any guns, or other stores connected therewith, in permanent works before the next periodical painting takes place, those received will be marked with the date when last painted, so that the record may be accurately kept. The marking will be of the simplest kind, as, for example, "12/88," signifying that the painting was performed in December, 1888.

Example.

30
Art.
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Allowance for marking.

276. Three halfpence per hour will be allowed for this service, except when such marking is performed by means of stencil plates, in which case no allowance will be sanctioned.

Marks included in reports.

277. The marks and numbers on stores of all natures, and every kind of projectile and fuze, on guns and Artillery carriages, as also on all carriages forming the equipment of units, will be noted in all reports relating to the repair, alteration, and condemnation of such stores, in order that the date of manufacture may be readily ascertained.

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III.—MARKING ARMS.

Marks before issue.

278. All arms except those for mobilization are issued to the troops marked with the month and year of issue. Full instructions as to all other marking will be found in the Ordnance Store Regulations. A.O. 58, 1892. 54 Gen. No. 5357

Care should be taken that the marks on the arms are not too deeply stamped.

When an armourer serjeant is not available.

279. In cases where the services of an armourer serjeant are not available for marking the arms, Commanding Officers, in making requisitions on the Ordnance Store Department, will state the particulars of the corps marks and numbers that should be placed upon the articles.

Additional stamps lent when required.

280. The necessary stamps for marking swords and sword-scabbards will be lent to dismounted services by the Ordnance Store Department. 38407 Equipt. 1650

Issues to replace others.

281. When arms are issued to replace others, the new issues will be given the numbers of the articles so replaced.

IV.—MARKING ACCOUTREMENTS.

Nature and position of marks.

282. All accoutrements, except those for mobilization, will be marked by the Ordnance Store Department before issue with the year of issue, beneath the W.D. and broad arrow of the War Department. When received by the troops, they will be further marked, before being taken into use, to correspond with the arms. Articles that have been in use, and are re-issued, will be marked by the Ordnance Store Department with the letters P.W. (part worn), and the year of re-issue, in red ink. These marks will be carefully and legibly placed on the inside, or back part of the belts, pouches, slings, and other articles. 38407 Equipt. 1592

Marking part-worn articles.

283. When part-worn articles are returned into store they will be marked by the local Ordnance Store Officer at the station with the month and year of return. 54 Gen. No. 5357

Marking "extra service" accoutrements.

284. Accoutrements supplied for men in excess of the regulated establishments will be marked by the unit with consecutive numbers and the distinguishing corps marks, valises being marked inside only. Such accoutrements when returned to store will be available for re-issue to any service as part-worn articles, and will be then further marked as directed in paragraph 282.

Stamps for marking.

285. Buff accoutrements will be marked with $\frac{1}{2}$-inch inlaid copper stamps in mounted units, and with $\frac{1}{4}$-inch brass or gunmetal stamps on wood ($\frac{3}{16}$-inch for terminal letters for Infantry only) in dismounted units, as shown in the several corps details, marking ink being used in each case for the purpose. Black or brown accoutrements A.O. 58, 1892. 54 Gen. No. 5229

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will be marked with $\frac{1}{4}$-inch steel stamps, for wood, care being taken that the leather is not cut, but merely indented Branding the accoutrements is strictly prohibited. (*See* also paragraph 267.) Branding prohibited.

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286. The wood water-bottle of the Italian pattern will not be painted or lettered. In dismounted units it will be marked on the upper edge with the stamps supplied for marking wood, and in mounted units with the stamps for wood, $\frac{5}{32}$-inch where stamps for marking arms are supplied. Where such stamps are not supplied $\frac{1}{4}$-inch stamps should be used. Marking Italian pattern water-bottles.

A.O. 150, 1892.

287. Enamelled iron water-bottles will be marked with the date of first issue in white paint (by the Ordnance Store Department) on the felt covering of the flat surface, close up to the neck. The corps marking will be done regimentally, on the flat surface, with the stencil plates in possession. If, when returned to store with corps marks on them, the water-bottles are considered fit for re-issue, the felt covers will be taken off by the Ordnance Store Department, turned, and resewn. The original date of issue, and the date of return to store, will be marked on the felt cover close up to the neck. The letters P.W. in red paint will also be stencilled on the cover, and on re-issue the date of re-issue will be added in red paint. Two coats are required for first markings. Marking enamelled iron bottles.

288. The carriages for water bottles will be marked in the same manner as accoutrements. Carriages for water-bottles.

289. The intrenching implements, pickaxe and shovel, will be marked on the wood handle on the side next the man's body as it hangs, with the stamps supplied for marking wood. Intrenching implements.

290. The canvas inside the outer flap of the valise will be marked in marking ink, with the same marks as the other accoutrements by means of the metal stamps supplied. In the case of Infantry and all units wearing the Infantry valise, the territorial name or letters will be marked by stencilling, on the outside of the flap. Marking valises.

291. The battalion number and county name or letters will be placed as nearly as possible across the centre of the valise, thus :— Nature of marks.

1. LOTHIAN. 2. E. KENT. 3. WARWICK.

292. But where initial letters only are used, care will be taken to place the battalion number on the left of the central strap which passes over the flap, and the regimental letters on the right, leaving a space between for the strap, thus :— Position of marks when initials only are used.

1. | | R.F. 2. | | R.I. 3. | | S.W.B.

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Grenades and bugles.

293. The grenade, and bugle, used respectively with Fusilier and Light Infantry regiments will be placed to the left of the numeral.

Size of letters and numerals.

294. The initial letters and numerals are $\frac{13}{16}$-inch high; the terminal and other letters $\frac{10}{16}$-inch high.

Regimental Depôts.

295. The valises of regimental depôts will not be marked on the outer flap. They will be marked on the inside only with marking ink.

R.A., R.E., A.S.C. and Departmental Corps.

296. Valises issued to the Royal Artillery, Royal Engineers, Army Service Corps, and Departmental Corps will be marked on the outside, by means of stencilling, with corps marks, as in the following examples:—

ROYAL ARTILLERY.

(*a.*) *On the outside of the flap.*

R. | | A.

N.B.—To ensure uniformity in appearance, the letters should be placed equidistant between the two loops on the flap.

(*b.*) *On the back of the Valise.*

10 | | S .... No. 10 Company, Southern Division.
Dep. | | S .... Depôt Company, Southern Division.
Dep. (1) | | S .... 1 Sub-Depôt Company, Southern Division.
D | | S .... Regimental District Staff.
S | | DE .... Southern District Establishment.
SCO | | DE .... Scottish District Establishment.

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Bermuda Company, Royal Artillery .... B. Co. | | R.A.
Ceylon Company, Royal Artillery ... C. Co. | | R.A.
Hong Kong Company, Royal Artillery H. K. Co. | | R.A.
Jamaica Company, Royal Artillery .... J. Co. | | R.A.
Mauritius Company, Royal Artillery .... M. Co. | | R.A.
Sierra Leone Company, Royal Artillery S. L. Co. | | R.A.
Singapore Company, Royal Artillery.... S. Co. | | R.A.
St. Lucia Company, Royal Artillery ....St. L. Co. | | R.A.

Where it is necessary to distinguish the particular Company the numeral will be added thus:—

1 H. K. Co. or 2 H. K. Co.

ROYAL ENGINEERS.

R | | E

ARMY SERVICE CORPS.

A | | SC

ORDNANCE STORE CORPS.

Ord. S. | | Corps.

MEDICAL STAFF CORPS.

M | | SC

ARMY PAY CORPS.

A | | PC

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297. For all dismounted units except Rifle battalions, the flap will be marked with white paint, and for Rifle battalions with green paint. Paint to be used.

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White paint of the following composition should be used :—

Lead, white, ground in oil	4 lbs.
Gold, size	½ gill.
Turpentine	¼ gill.

The marking with this mixture will dry, in an ordinary store, in about eight hours.

Paint, green, Brunswick, ground in oil, 4 lbs., for outside flap of valises in possession of Rifle regiments.

In marking the valise the brush should be used almost dry with the paint thick. The flap should be laid flat upon a hard smooth surface, and the paint dabbed in, the brush being held vertically, and on no account worked across the stencil-plate. The back of the plate should be kept clear of paint with a turpentine rag, and the face also occasionally wiped with the rag to prevent an accumulation of paint. Method of marking valises.

298. The whistles of Infantry will be marked on one side of the acorn with the territorial letters or Regimental district number, and on the other side with the number of the whistle, from 1 upwards. The battalion numeral will be dispensed with. The whistles of serjeants Royal Engineers will be marked in the same manner as their arms. For the purpose of marking, the steel stamps for metal in possession of armourer serjeants for marking small arms will be employed. Marking whistles.

299. Stamps will not be supplied specially to mounted services for marking accoutrements, some of the stamps issued for marking the saddlery and harness being suitable for this purpose also. No special stamps for mounted services.

300. The undermentioned allowances are granted for marking accoutrements of dismounted units under the conditions stated :— Allowances for marking.

	s.	d.
a. For every 300 water bottles, intrenching implements, or carriages, frogs, and loops for the same	0	9
b. For every 300 of the articles of valise equipment detailed below, in the case of corps receiving a new equipment, viz., waist belts, braces, pouches, straps, carriages drum, frogs sword, and sword bayonet, loops dirk, slings (rifle and carbine), and the insides of the flaps of valises	0	9

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		s.	d.
	c. For marking the outside of the valise flap in white paint with the stencil plate and brush, or for renewing the same when worn off including cost of paint	0	1
A.O. 150, 1892.	*d.* For marking the felt coverings of enamelled iron water-bottles in white paint, with the stencil-plate and brush, two coats, 1*d.* each bottle, inclusive of paint. For renewing the same when necessary, one coat, ½*d.* each, inclusive of paint.		
	e. For removing old marking of valise flap when necessary (which may be done with a rag wetted with methylated spirits) including cost of spirits	0	0½
Allowances for marking ink.	*f.* Annually for the purchase of marking ink required for use with the metal stamps. (*See* paragraph 285.)		
	Battalion	2	0
	Regimental depôt .... / Depôt of Medical Staff Corps / Dismounted depôt company of Army Service Corps	1	0
	Company of Garrison Artillery	0	9
	District Establishment Artillery / Unit of Royal Engineers (except mounted units) .... / Company of Ordnance Store Corps	0	6

Rates for Artillery valises.

301. In calculating claims for marking Artillery valises, the stencilling of both back and front marks will be considered as one marking. The same consideration will also guide claims for removing old marks when necessary.

To be charged in pay list.

302. These allowances will be charged in the company pay lists, and will be vouched in each case by a certificate showing the number and description of articles marked, the date of their issue, and from what Ordnance Store depôt they have been issued.

V.—MARKING MUSICAL INSTRUMENTS.

Allowances for engraving the marks.

303. When the services of an armourer-serjeant are not available, a charge of 3*d.* will be allowed for engraving each bugle, trumpet and drum; and a charge of ½*d.* per letter or figure for flutes and piccolos, which will be engraved, not stamped, on the ivory top of each, in consecutive numbers, from one up to the number in possession, and also with the number of the unit in the manner approved for marking the arms.

Practice.

304. The silent drum for practice will be marked on

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the cloth on the under side, with the same stamps as are used for accoutrements. drum stamped.

VI.—MARKING HARNESS AND SADDLERY.

A.O. 71, 1891.

305. All new articles of harness and saddlery, except those issued for mobilization purposes, of $\frac{3}{4}$-inch or more in width, will be marked by the Ordnance Store Department, before issue to the troops, with the month and last two figures of the year of issue, beneath the W.D. and the broad arrow. Articles that have been in use will, when first re-issued for a further period of wear, be again marked with the month and year of issue as above, by the Ordnance Store Department, if of $\frac{3}{4}$-inch or more in width. The date will be placed close under the part-worn mark P.W. which will be stamped by the Inspector upon all harness and saddlery returned by the troops, when examined or repaired at the Royal Dockyard, Woolwich. Articles re-issued at out-stations, without being sent to Woolwich, will be similarly marked by the Ordnance Store Department. Marking by Ordnance Store Department.

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A.O. 92, 1893.

306. Harness and saddlery when received by the troops will be stamped with the distinguishing marks of the corps. The sets will be numbered consecutively, harness and saddlery being given different series of numbers. As articles common to both harness and saddlery will be distinguished only by the position of the set number, care must be taken to place the number correctly. Order of marking.

In batteries of Artillery the numbering will be by sub-divisions, and in the Cavalry by squadrons, as in the specimens given below. Artillery and Cavalry.

In other units there will be for the entire establishment one series of numbers for sets of universal saddlery, another for sets of Officer's saddlery, and a third for single sets of harness, the numbers being placed on saddlery vertically under the corps marks, and on harness in the same line with and following corps, or sub-divisional marks, as in the specimens given below. Other Units.

In every case the head and neck collars will be marked with the number of the horse instead of that of the set. Head and neck collar.

Horse Artillery.

I	I Battery.
R.H.A.	Royal Horse Artillery
1	No. 1 Sub-division.
4	No. 4 set of saddlery.

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A.O. 92, 1893.

I	I Battery.
R.H.A.	Royal Horse Artillery.
2 3	No. 2 Sub-division. No. 3 single set of harness.
	Field Artillery.
37. R.A.	37th Field Battery, Royal Artillery.
O. 1	Officers' No. 1 set of saddlery.
37. R.A.	37th Field Battery, Royal Artillery.
3	No. 3 Sub-division.
1	No. 1 set of saddlery.
37. R.A.	37th Field Battery, Royal Artillery.
1. 3.	No. 1 Sub-division. No. 3 single set of harness.
	Cavalry.
1. L.G.	1st Life Guards.
A	A Squadron.
2	No. 2 set of saddlery.
5. L.	5th Lancers.
B. 1.	B Squadron. No. 1 single set of harness.
	Royal Engineers.
T.B.—R.E.—4	Telegraph Battalion. No. 4 set of harness.
T.B.—R.E. / 4	Telegraph Battalion. No. 4 set of universal saddlery.
T.B.—R.E. / O. 2	Telegraph Battalion. No. 2 set of Officers' Saddlery.
	Army Service Corps.
10—A.S.C. 4	No. 10 Company Army Service Corps. No 4 single set of harness.
10—A.S.C. / 4	No. 10 Company Army Service Corps. No. 4 set of universal saddlery.
10—A.S.C. / O. 4	No. 10 Company Army Service Corps No. 4 set of Officers' saddlery.

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On transfer.

307. If, on a transfer of harness or saddlery, any of the sets transferred be found to bear numbers already on the harness or saddlery on charge, the articles will be re-numbered, either with the numbers of sets transferred from charge, or as additions to the establishment.

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Regimental transport for peace.

308. The harness of each set of regimental transport will be marked according to the principles laid down in paragraph 306, except that a distinguishing "index number," instead of the "Corps marks" is to be assigned to the sets, thus:—

$$15\,\text{R.T.}\,3, \text{ or } \frac{15\,\text{R.T.}}{3}$$

where 15 is the index number, and 3 the set of harness or saddlery.

Stamping leather.

309. The leather work will be marked with $\frac{3}{16}$-inch steel stamps immediately under the Ordnance Store Department mark of month and year of issue.

A.O. 92, 1893.

Stamping iron work.

310. The iron work will be marked with $\frac{1}{8}$-inch steel stamps for metal, the portmouth bit in front of the port, the bridoon bit on top of the mouthpiece, and the stirrup irons on the bottom.

Marking sheepskins, &c.

311. Sheepskins, nose bags, corn sacks, and corn bags will be marked with $\frac{1}{2}$-inch stamps immediately under the War Department store mark.

VII.—MARKING SQUAD BAGS.

Marking exemplified.

312. Each squad bag will be marked on the outside of the upper flap with the initial letter of the company or squadron, the number or appellation of the battalion or regiment, and the month and year in which the squad bag was first issued from the quarter-master's stores.

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The following will exemplify the mode of marking :—

B. 4/D. Gs.	D. 2/Gd. Gds.	A. 1/Manch.
1/1887.	1/1887.	1/1887.

Paint, size of letters, &c.

313. The squad bags will be marked with black paint. The figures and capital letters will be $1\frac{1}{2}$ inches in length.

Allowance for marking.

314. The sum of fourpence for each squad bag so marked on first issue will be allowed ; the amount will be charged in the accounts of the unit, vouched by the usual receipt of the person who executed the work, and certified by the Officer Commanding.

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VIII.—MARKING REGIMENTAL DEPOT EQUIPMENT.

Marking of equipment of regimental depôts.

315. In regimental depôts the arms, accoutrements, except those stored for reservists, musical instruments, and all articles enumerated as forming part of the equipment of a soldier, will be marked with the number of the Regimental District to which they belong, followed by the letters R.D. The rifle depôts having no numbers, the equipment remaining on charge at such depôts will receive the territorial letter with the D following. Valises will not be marked on the outside, but on the inside only, in the way laid down in paragraph 290.

SECTION XIV.—REPAIR AND PRESERVATION OF EQUIPMENT.

I.—General Instructions.
II.—Arms, Accoutrements, Musical Instruments, Harness and Saddlery, and Squad Bags.

I.—GENERAL INSTRUCTIONS.

Unauthorised work prohibited.

316. Commanding Officers will not allow, or pay for the performance of any work connected with equipments or armaments for which there is no regulated provision, without previous authority obtained, at home from the Secretary of State, and at stations abroad from the General or other Officer Commanding.

General repairs executed without charge by regimental artificers.

317. Except when otherwise specified in these Regulations, the repair and painting of all stores that can be performed by the regimental artificers will be executed by them under the superintendence of their Commanding Officers, and free of charge. The necessary tools and materials will be supplied by the public, or out of a money allowance granted for their purchase. Tables showing the time, working pay (when specially sanctioned), and materials, allowed for painting miscellaneous carts and wagons are given in Appendix VII.

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A.O. 58, 1892.

O.C. to certify as to necessity for repairs.

318. When any of the materials, detailed in Appendix VII., are required, the Officer Commanding in whose charge the equipment is, will certify to the repairs being necessary, and will annex such certificate to the demand for the materials made by him on the Senior Ordnance Store Officer. The Commanding Officer will subsequently satisfy himself that the repairs or painting have been properly executed.

Employment of regimental artificers for other corps.

319. The services of the regimental artificers will, when the duties of their own unit permit, and at the discretion of the General Officer Commanding, be made generally available for performing any work which they may be called upon to execute within the limits of their trades, and during working hours, for other units or detachments unprovided with artificers, or requiring the assistance of additional artificers in exceptional circumstances.

Repairs by the Ordnance Store Department.

320. Repairs which cannot be executed by the regimental artificers will be performed under the direction of the Ordnance Store Department by the artificers attached to that Department, or else in accordance with the directions given in paragraph 321.

Working pay and payments to contractors.

321. Whenever repairs, painting, of other services involving the expenditure of working pay, or payments to contractors, are required in connection with the equipments of a unit, a requisition will be made by the Commanding Officer on the Senior Ordnance Store Officer, stating the nature of the work required, and the cost at which it could be carried out by military tradesmen receiving the authorised rates of working pay, or by local contract.

How authorised.

322. The Officer making the requisition will then be informed of the manner in which the service should be performed; and, if it be decided to employ military tradesmen, he will, on the completion of the service, certify on the original requisition that the work has been efficiently carried out. The requisition so certified will then be attached to the working pay list as a voucher in support of payment.

Requisition certified.

Materials for repair may not be sold, or improperly appropriated.

323. Materials supplied for the repair and preservation of equipment will not be sold, or exchanged, or used for any equipments but those for which they were demanded; nor will any purchase of materials by Commanding Officers be sanctioned by General Officers Commanding, except in special cases which should be reported for covering approval.

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Regulation of expenditure and method of accounting for.

324. In order to regulate the expenditure of the materials Army Books, 281 and 282 or 283, will be carefully kept by the units concerned. The books will be periodically called for by the Superintendent of Inspectors

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materials for repairs, &c.

General Stores, Woolwich Dockyard, for examination and for testing the correctness of the proportions allowed. Stock will be taken every six months by an Officer deputed by the Commanding Officer and compared with the quantity received and the amount expended. The result will be reported to the Commanding Officer who, if satisfied will sign the store and shop books. Any deficiencies will be charged against the individuals responsible and recovered on Army Form P 1963.

The Regimental Storekeeper will examine Army Book 281 weekly, and satisfy himself that the materials have been expended in public service work.

Materials are not to be used for manufacture.

325. Materials supplied for repairing equipment are intended solely for carrying out repairs. They will not, except under special authority, be used for the manufacture of new articles.

Materials in hand to be credited in requisition.

326. In making requisitions for materials for repairing equipment, Commanding Officers will certify on the requisition that credit has been given therein for any material remaining on hand, and that the quantities demanded, together with these, do not exceed the authorised proportion.

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Responsibility for reserve arms at regimental depôts.

327. The responsibility for the care and custody of reserve arms and accoutrements at the head quarters of regimental depôts lies with the Officer Commanding the depôt. The serjeant-instructors of Militia battalions should be placed in charge, and the same rules for the care of the arms carried out by them, as laid down for the treatment of arms in Ordnance store charge in the regulations for Ordnance store services. These reserve arms will also be periodically inspected by viewers detailed by the Chief Inspector of Small Arms in the same manner as those in use by the Militia battalions.

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Cleaning and oiling for Army Reserve.

328. An allowance of 1*d.* per annum will be granted for cleaning and oiling each stand of arms, with set of accoutrements complete, kept in store at Regimental Depôts for issue to the Army Reserve, on the certificate of the Officer Commanding the Regimental District that the service hasbeen properly carried out, and that the arms and accoutrements are in a perfectly serviceable condition.

Materials supplied.

329. The annual allowance of materials for cleaning and oiling arms kept in store at Regimental Depôts for issue to Army Reserve will be as follows :—

Oil, rangoon	....	galls. 2	For every 1,000 stand of M.L.M. arms.
Flannelette	....	yards 5	
Sheeting, old	....	lbs. 10	

No materials are required for accoutrements.

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II.—ARMS, ACCOUTREMENTS, MUSICAL INSTRUMENTS, HARNESS AND SADDLERY, AND SQUAD BAGS.

1. Arms.

Repair of interchangeable arms.

330. All the implements, stores, and chemical ingredients for browning interchangeable arms, as well as the materials for the repair of the same, are supplied at the public expense to units provided with armourer-serjeants. Oil and material for the preservation and cleaning of arms are supplied to all corps in possession of arms. Details of the stores supplied for repairing, browning, and preserving arms are printed in Appendix VIII. Instructions for the care, repair and browning, &c., of arms and bayonet scabbards, and a list of parts and materials to be carefully packed when regiments proceed on service abroad, are printed in the Instructions for Armourers, and will be supplied to all concerned.

Browning arms.

Care and repair of arms, &c.

Stripping and testing arms.

38407 Equipt. 1582

331. The stripping or removal of any part of the arm, except by the armourer serjeant, or a serjeant instructor who has been through a course of instruction at the Royal Small Arms Factory, Birmingham, is strictly forbidden. Should a Commanding Officer doubt whether arms of any description under his charge are serviceable, he will report the matter stating the reasons for his opinion; and his report will be forwarded to the War Office. If considered advisable, an examination of the arms in question by the Army Inspection Department will then be authorized. The practice of testing weapons of any kind in charge of troops, except in pursuance of orders from Head-Quarters, is strictly forbidden.

Requisitions for, and issue of, materials.

332. When materials are required for the repair of arms, Officers commanding squadrons or companies will certify to the repair being required, and upon such certificate the issue will be made by the quartermaster. The Commanding Officer will subsequently satisfy himself that the repairs have been executed.

Reports of inspection.

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333. Armourer-serjeants will furnish Officers Commanding companies or detachments (liable to detached duties) with a detailed report of each inspection upon Army Form G 1048.

Annual examination and repair of arms in regimental districts.

A.O. 218, 1891.

334. The arms of regimental depôts will be examined annually by the localised armourer-serjeant referred to in paragraph 337. The armourer-serjeants will execute such repairs as are necessary, and re-brown such arms as may require it.

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Commanding Officers not relieved of responsibility.

It is to be understood that this arrangement does not relieve Commanding Officers from responsibility as to the care and repair of the arms, and arrangements will be made by them for such general supervision of the work of the armourer-serjeants as will ensure its being properly carried out.

Intermediate and slight repairs.

335. The serjeant instructors of Militia battalions who have been through a course of instruction at the Royal Small-Arms Factory at Birmingham, will be available for the replacement of broken main-springs or strikers, and for the execution of such slight repairs as the arms are likely to require between the annual visits of the armourer serjeants. Should any arms require a more extensive repair than either the serjeant instructor or localised armourer serjeant in the district is able to execute, the Officer Commanding the Regimental District will communicate with the Senior Ordnance Store Officer, who will give instructions for the arms to be sent to the Royal Small-Arms Factory, Birmingham, to have the necessary repairs carried out.

Extensive repairs.

Corps with no armourer serjeant in United Kingdom.

336. The arms of a corps or detachment in the United Kingdom unprovided with an armourer serjeant will be dealt with as far as practicable in a similar manner to those of depôt companies.

Stations to which armourer serjeants are posted.

337. Armourer serjeants have been posted to the following stations :— A.O. 217, 1891.

Hamilton.	Taunton.
Newcastle-on-Tyne.	Maidstone.
Pontefract.	Reading.
Warrington.	Hounslow.
Lichfield.	Cardiff.
Ashton.	Seaforth.
Wrexham.	Glencorse.
Bury St. Edmunds.	Jersey.
Winchester.	

Sub-stations to be visited by Armourer Serjeants.

338. The armourer serjeants will visit the several sub-stations, respectively, shown below under the stations to which they have been posted, and will also examine annually the arms of the Militia battalions of the territorial regiments in their circuits as laid down in the Militia Regulations. These circuits will be subject to alteration from time to time, as the conditions of the Service may require :—

(1.) *Hamilton.*

Ayr.	Hamilton.
Dingwall.	Inverness.
Fort George.	Paisley.

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(2.) *Newcastle-on-Tyne.*

Aberdeen.
Alnwick.
Barnard Castle.
Dumfries.
Newcastle-on-Tyne.
Perth.
Stirling.

(3.) *Pontefract.*

Beverley.
Halifax.
Pontefract.
Richmond.
York.

(4.) *Warrington.*

Carlisle.
Lancaster.
Warrington.

(5.) *Lichfield.*

Derby.
Leicester.
Lichfield.
Warwick.

(6.) *Ashton.*

Ashton.
Burnley.
Bury.
Grantham.
Lincoln.
Macclesfield.
Newark.

(7.) *Wrexham.*

Beaumaris.
Carnarvon.
Chester.
Hereford.
Mold.
Shrewsbury.
Welshpool.
Wrexham.

(8.) *Bury St. Edmunds.*

Bedford.
Bury St. Edmunds.
Ely.
Huntingdon.
Northampton.
Norwich.

(9.) *Taunton.*

Bodmin.
Bristol.
Cirencester.
Dorchester.
Exeter.
Plymouth.
Taunton.

(10.) *Maidstone.*

Barnet.
Dalston.
Finsbury.
Hertford.
Maidstone.
Victoria Park Square.
Warley.

(11.) *Reading.*

Chichester.
Devizes.
High Wycombe.
Oxford.
Reading
Worcester.

(12.) *Hounslow.*

Canterbury.
Guildford.
Hounslow.
Kingston.

(13.) *Winchester.*

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(14.) *Cardiff.*

Aberystwith.	Milford Haven.
Brecon.	Monmouth.
Cardiff.	Pembroke Dock.
Carmarthen	Swansea.
Hubberstone (Fort).	

(15.) *Seaforth (Royal Artillery).*

Hartlepool.	Seaforth.
Preston.	Sunderland.
Scarborough.	

(16.) *Glencorse.*

Berwick.	Edinburgh.
Campbeltown.	Glencorse.
Cupar (Fife).	Montrose.
Dunbar.	

(17.) *Sheerness (Royal Artillery).*

Sheerness.	Harwich.
Great Yarmouth.	Ipswich.

(18.) *Portsmouth (Royal Artillery).*

Portsmouth.	Sandown.
Gosport.	

(19.) *Devonport (Royal Artillery).*

Devonport.	Plymouth.
Falmouth	

(20.) *Dover (Royal Artillery).*

Dover.	Eastbourne.

(21.) *Jersey.*

Alderney.	Guernsey.
Jersey.	Sark.

G.O.C. to determine order of visits.

339. General Officers Commanding the districts in which the armourer serjeants are permanently posted will determine the order in which they will visit the different stations in their circuit, arranging with regard to stations outside their own districts with other General Officers Commanding concerned.

Services to be applied for.

340. Officers Commanding regimental depôts will make application to the General Officer Commanding for the services of the armourer serjeant of their circuit whenever the condition of the arms in their charge renders this necessary.

Components or repair.

341. The components required for the use of the armourer-serjeant will depend upon the number of the different kinds of arms in his circuit that he has to attend to, and will be demanded by the Officer Commanding the Regimental District to which he is permanently attached, in general accordance with the proportion laid down in

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Appendix VIII. Allowance should be made for the components that are supplied to Militia for the use of their serjeant-instructors.

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342. If a further quantity of these or other components be required, the armourer serjeant will acquaint the Officer Commanding the Regimental District to which he is permanently attached, explaining the circumstances which render the additional supply necessary; that Officer Commanding will then demand such components as are requisite from the Ordnance Store Officer. Additional supply.

343. At home the armourer serjeant will account for the expenditure of the components issued to him, to the Officer Commanding the Regimental District to which he is permanently attached. Expenditure to be accounted for.

344. The arms in possession of units or detachments abroad will be examined quarterly by an armourer serjeant. Should the unit or detachment not be provided with an armourer serjeant, and the arms require repair or re-browning, the General Officer Commanding will, on requisition from the Commanding Officer, detail a regimental armourer serjeant to perform the work, or will order it to be undertaken by the Ordnance Store Department, as may seem to him advisable. The unit providing the armourer serjeant, or the Ordnance Store Department, as the case may be, will also provide the necessary materials which, in the case of a regimental armourer serjeant, will be obtained from Ordnance Store. Repairs abroad.

345. On the return of arms into store any repairs found necessary, which ought to have been performed by the armourer serjeant, will be charged against the troops. Liability of corps provided with armourer serjeant.

346. In cases of injury to barrels, the barrel and body together will be exchanged, but the price of the barrel only will be charged, provided the body is in a serviceable condition. Injury to barrels.

347. All tampering with arms and the practice of ejecting the jag from the barrel by the action of the striker are strictly prohibited. Any damages to arms so caused will be charged against the troops. Tampering with arms and ejection of jag by striker prohibited.

348. Annual inspections will be made of the arms, and the cost of any repairs found necessary from any cause other than fair wear will be charged against the troops. Repairs through tampering.

349. In cases where it is not possible entirely to remove marks in the barrels caused by cuts or rust without unduly enlarging the bore, and thereby injuring the shooting power of the arm, a star (*) is to be placed upon the barrels of rifles and carbines in front of the "Knox form," and upon the barrels of pistols on the left-hand side of the "top strap." This mark is only to be made at the factory, and will serve to denote that a trace of a cut Injured barrels to be specially marked.

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or of rust may be expected, and that therefore no charge for such cut or rust will be made against the soldier at any subsequent inspection.

Assistants in browning.

350. To enable the armourer serjeant to perform the service of browning the arms, he will be granted from the unit the assistance provided for under the Royal Warrant for Pay, &c.

Browning bayonet sockets.

351. When new rifles have been issued to units, and the bayonets in use with the arms returned have been retained, labour, fuel, and browning material will be allowed for the purpose of browning the bayonet sockets in the following proportions:—

Labour	$\frac{1}{3}$	Of the regular authorised amounts for biennial browning.
Fuel	$\frac{1}{9}$	
Browning material	$\frac{1}{8}$	

No charge for browning.

352. No charge will be made against the troops for browning their arms, when the browning is rendered necessary by fair wear. Under ordinary circumstances browning should last for two years.

2. Accoutrements.

Repairs of leather work of accoutrements.

353. The leather work of accoutrements of unmounted units, as shown in paragraph 354, will be repaired by the shoemaker of the unit or such other person as may be directed by the Commanding Officer

Amount allowed.

354. For this service the undermentioned sums will be allowed annually to each Commanding Officer for every 10 or less number of sets of accoutrements in use :—

	s.	*d.*
Company of Infantry	1	2
Unit of Royal Engineers (except mounted units)	1	0
Company of Garrison, and Local Companies Royal Arrtilley, and Bermuda Militia Artillery	0	10
District Establishment, Royal Artillery		
Dismounted Depôt Company of Army Service Corps		
Division or Detachment of Medical Staff Corps		
Depôt of Medical Staff Corps		
Company of Ordnance Store Corps		

A.O. 92, 1893.

How drawn by depôts.

355. In the case of regimental depôts the sum will be paid by the Regimental District Paymaster from the date upon which the Depôt joins the Regimental District, from which date captains of companies will cease to draw any allowance for the repair of accoutrements from the Regimental Paymaster.

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356. The allowance for the repair of accoutrements will be claimed in advance, for the whole financial year, in the month of April, upon Army Form P 1900, and will be charged in the Battery or Company Pay List. *To be claimed annually.*

357. Waxed thread and tools will be provided out of this allowance, the articles allowed for repair of accoutrements being supplied by the Ordnance Store Department. *Thread and tools.*

358. The repair of the metal work will be part of the ordinary duty of the armourer serjeant or smith, where one is available. *Metal work.*

A.O. 58, 1892.

359. The use of oxalic acid or other injurious materials for cleaning black or buff accoutrements, is strictly forbidden. Such parts of black accoutrements as would show brown when in use may be blackened with ordinary blacking, but no other colouring matter is to be used in such cases. For cleaning brown accoutrements, a mixture of 1½ ozs. of oxalic acid to a quart of water may be used, but if not used carefully it destroys the leather. *Injurious materials forbidden.*

360. Spare parts and furniture for accoutrements required to replace others expended or worn out, the cost of which is chargeable to the public, will be supplied in the authorised proportions, as specified in the several corps details. *Supply of materials chargeable to the public.*

361. Materials required to replace others lost or damaged by neglect, will be charged against the troops. *To troops.*

362. When any article comprising two or more component parts has become in part unserviceable in time of peace, such new parts as may be required will be obtained from store and attached by the artificers of units free of charge. Commanding Officers will take care that no article of equipment in use is ripped to pieces until the new parts required from store have been received and can be sewn on without delay. *No ripping to pieces until new parts received.*

363. In cases, however, where the requisitions for accoutrements to replace unserviceable articles are very large, and where Commanding Officers consider that it would be inexpedient to allow the equipments of their units to be rendered incomplete, even for a short time, accoutrements of the kind referred to in paragraph 362 may be demanded in a complete state. *In cases of large requisitions.*

3. Musical Instruments.

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364. Drummers of Infantry are chargeable with the cost of new drum heads; and buglers of Infantry and trumpeters of Cavalry and Royal Horse Artillery with the cost of renewing the strings of their bugles and trumpets, when these strings become unserviceable within the period assigned by regulation for their duration. *Drum heads and bugle strings.*

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Flutes and piccolos.

365. Instructions for the care and preservation of flutes and piccolos are printed in Appendix III. 54 | 1 | 101 | 126

4. Harness and Saddlery.

Materials for repairs.

366. The authorised proportions of materials, as detailed in the several corps details, Part 2, which are supplied for repair of harness and saddlery, are based upon the average quantities required for the repair of articles which have been some years in use. With new equipments the same amount of materials would not be required; and Commanding Officers, in making requisitions, will demand only what is actually requisite. Needles for the repair of harness and saddlery may be drawn annually at the rate of one sewing needle to five sets of saddlery or single harness, and one harness needle to four sets of saddlery or single harness. A.O. 58, 1892.

Disposal of cuttings.

367. All cuttings from the under-mentioned materials supplied to the mounted services for repairing harness and saddlery, as well as the unserviceable parts and material named, will be returned into store, as convenient opportunity offers :—

- Cuttings from: canvas; cloth; leather; numnahs; serge; sheepskins.
- Flaps, saddle, pairs.
- Hair, old: doe; horse.
- Junk, old.
- Metal-work: brass, bosses: bits; cruppers and breastplates. copper, rivets, saddles, universal. iron (from saddles generally).
- Seats, saddle.

Preservation.

368. Detailed instructions for the care and preservation of the leather of harness and saddlery are printed in Appendix IX.

5. Squad Bags.

Dubbing for.

369. Regiments supplied with squad bags made of brown leather will be allowed, for the purpose of preserving the leather, half-a-pound of dubbing for each bag annually. The dubbing required will be drawn on the 1st March in each year.

6. Wagons.

Footboards to be fastened up.

370. When driving the undermentioned wagons, otherwise than by long rein, or turning them when in 54 | Gen. No. 6416

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store, footboards will be fastened up to prevent the stays being wrenched away.

Wagons { ammunition and store, R.A., Mark II.
G.S. { Marks III. and IV. / R.E.
light, spring, surgery.

SECTION XV.—DURATION OF EQUIPMENT.

I.—General Instructions.

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II.—Tables relating to the following :—

(1.) Arms.
(2.) Accoutrements.
(3.) Harness and Saddlery.
(4.) Musical Instruments.
(5.) Tools, Artificers'.
(6.) Appointments, Pioneers'.
(7.) Miscellaneous Articles.

I.—GENERAL INSTRUCTIONS.

Object of assigning periods of duration.

371. Periods of duration have been assigned to the articles enumerated in the following tables, with the object of informing Commanding Officers and Ordnance Store Officers of the length of time equipment should, with careful treatment, remain serviceable under ordinary circumstances of continuous use. It is the duty therefore of all concerned to see that the equipments have fair treatment, and, should it appear that articles are becoming unserviceable before they have been in use the prescribed periods, to inquire carefully into the cause thereof; since, in the absence of sufficient reason to explain the circumstance, the troops become liable to be charged in accordance with paragraphs 95 and 96 of these Regulations. The periods of duration, moreover, are not intended in any way to govern the times for exchanging the stores, which must continue to be used until actually unserviceable.

Duration on active service and at stations abroad.

372. On active service and at stations abroad the periods of duration are liable to vary according to the nature of the service and the climate, but the prescribed periods will be kept in view and adhered to as far as practicable.

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ARMS.

TABLE 1.	Duration, in years.	Remarks.
Rifles	12	
Bayonets { sword	12	
Bayonets { triangular	12	
Scabbards { leather { bayonet, triangular ...	6	
Scabbards { leather { sword ...	8	
Scabbards { leather { sword-bayonet	8	
Scabbards { steel, sword, staff-serjts'	12	
Scabbards { ,, cavalry	10	
Bottles, oil, brass	8	
Flags, lance	2	
Lances	12	
Pistols, Webley	12	
Protectors, front sight...	8	
Pull-throughs, M.L.M. rifle { weights	8	
Pull-throughs, M.L.M. rifle { cord ...	½	
Reflectors, M.L.M. rifle	8	
Swords { cavalry	12	
Swords { staff-serjeants'	12	
Swords { drummers' and band ...	12	
Swords { pioneers'	12	
Implements, action	12	
Actions, skeleton, M.L.M.	12	
Tools, removing striker, M.L.M. ...	12	
Gauges, armourers', action	20	
Tubes, aiming { Martini-Henry ...	10	
Tubes, aiming { M.L.M.	5	

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ACCOUTREMENTS.

TABLE 2.	Duration, in years.	Remarks.
Aprons, leg	10	
Bags, ammunition	4	
Belts pouch ... staff serjeants	7	Household Cavalry.
Belts pouch ... staff serjeants	12	Cavalry of the line.
Belts pouch ... other ranks	8	Other corps receiving them.
Belts pouch ... other ranks	7	Household Cavalry.
Belts pouch ... other ranks	12	Cavalry of the line.
Belts waist, buff, cav-alry, line staff serjeants	9	
Belts waist, buff, cav-alry, line other ranks	9	
Belts waist, buff, cavalry, household, all ranks	7	
Belts waist, valise equipment staff serjeants'	8	Rifles.
Belts waist, valise equipment staff serjeants'	12	Other corps receiving them.
Belts waist, valise equipment general service	9	Rifles.
Belts waist, valise equipment general service	12	Other corps receiving them.
Belts waist, under Officers', Woolwich	7	
Billets for { sword carriages ...	6	
Billets for { sabretache carriages	6	Hussars.
Bottles, water	...	No definite period can be fixed.
Braces, valise equipment ...	9	Rifles.
Braces, valise equipment ...	12	Other corps.

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Accoutrements—*continued.*

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TABLE 2—*continued.*		Duration, in years.	Remarks.
Carriages: waist belt		6	Four years only for Lancers.
water bottle, Italian	buff	8	
	black	6	
,, ,, iron, enamelled	buff	5	
	black	4	
sabretache		6	Hussars.
Cases, brown, pistol		9	
Chapes		12	
54 **Frogs**		8	Rifles.
Gen. No.		12	Other corps.
5296 ,, buff, hand-axe		12	
Handcuffs, common ... pairs		12	
Knots, sword, leather		4	Rifles.
		6	Other corps.
		8	Chief warders.
54 **Lanyards**, pistol		3	
Gen. No. **Pouches**: ammunition ...		7	Household Cavalry.
5296		9	Cavalry of the line.
		9	Rifles.
		6	Horse and Field Artillery.
		10	Other corps.
warders'		9	
writing materials		7	
Sabretaches		7	Hussars.
Slings, carbine or rifle ...		8	
Straps: greatcoat		9	
mess-tin			
Valises		6	
Whistles with thongs		12	

HARNESS, SADDLERY, AND STABLE NECESSARIES.

TABLE 3.		Duration, in years.	Remarks.
HARNESS AND SADDLERY.			
Bags: corn*		8	
nose*		3	
Bands, back		7	
Bearers, trace		7	
33407 **Bits**: bridoon		12	
Equipt. portmouth		12	
1584 **Blankets**, saddle		4	
A.O. 58, 1892. **Breastpieces**		7	
Breastplates		5	
Breechings		7	
Bridles, snaffle		3	
Brushes: harness, hard		1	
horse...		1	

* Nose and corn bags are expected to last the periods prescribed for them respectively, when the troops are in permanent stables only. On other occasions the time these articles will last will depend on the nature of the service and the station.

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Harness, Saddlery, and Stable Necessaries—*continued.*

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TABLE 8—*continued.*	Duration, in years.	Remarks.
Buckets carbine	5	
lance...	5	
Cases, horseshoe...	7	
Collars head warrant officers,		
non-commissioned officers and men ...	4	
officers	7	
neck	7	
Comb, curry	1	
Cruppers	7	
Girths leather	7	
web...	3	
Hames	16	
Heads, bridle	5	
Irons, stirrup	16	
Leathers, stirrup	5	
Leggings, drivers'	7	
Numnahs	3	
Pannels, saddle drivers and luggage ...	7	
officers and universal ...	8	
Pickers, hoof	3	
Pieces, buckling...	7	
Reins bearing, leading, and bridoon	5	
portmouth bit, and side ...	7	
driving...	6	
Sacks, corn*	5	
Saddles	12	
Skins lamb, officers	7	
sheep warrant officers,		
non- commissioned officers and men ...	6	
drivers	7	
Sponges, general service	1	
Straps all kinds (*except kicking*) ...	5	
kicking	10	
Surcingles	7	
Traces harness, lead and wheel, and saddlery	7	
harness, short	10	
Tugs, back-band, and breast harness...	7	
Wallets	7	
Whips drivers	3	
driving	3	
hand	1	
longeing	2	
Scissors, trimming 1 pair for each riding horse	5	
1 pair for each pair of draught horses	3	

* Corn sacks are expected to last the periods prescribed for them when the troops are in permanent stables only. On other occasions the time these articles will last will depend on the nature of the service and the station.

Part-worn Harness and Saddlery.

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The period of duration for articles of harness and saddlery issued part-worn is to be taken under ordinary circumstances as half that fixed for new.

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MUSICAL INSTRUMENTS.

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TABLE 4.	Duration, in years.	Remarks.
Bugles, without strings ...	4	Mounted corps.
	6	Other corps.
Cases leather flute B ...	6	
leather flute F ...	6	
leather piccolo	6	
drum ticken	10	
Drums side, brass, large	10	
side, brass, cords	$\frac{10}{2}$	
,, sticks ... ... pairs	10	
silent...	10	
Tuning-forks	6	
Flutes B	6	
F	6	
Pitchpipe	6	
Piccolos E flat...	6	
F	6	
Strings, bugle or trumpet	4	
54 Art. 1561 **Trumpets**	4	Mounted corps.
	6	Other corps.

APPOINTMENTS, PIONEERS.

TABLE 5.	Duration, in years. For Infantry	Duration, in years. For Cavalry.	Remarks.
Axes felling, curved helve ...	12	...	
hand	12	12	
pick 2¾ lbs. heads, 29-inch helve	12	...	
pick 6½ lbs. heads, 34½-inch helve ...	...	12	
Bars, pinching, 2-feet 10-inch ...	12	...	
Caps, hand-axe, brown	12	...	
Cases black, billhook	9	...	
pinching bar	9	...	
hand-axe and 20-inch saw ...	9	...	
tools, shoeing No. 1	9	...	
tools, shoeing No. 2	9	...	
tools, small	9	...	
pioneer, equipment, cavalry	...	9	
Frogs, leather, hand-axe	12	...	8 years in case of rifle battalions.
Hooks, bill	12	...	
Nipper, end-cutting, cavalry, pioneer	...	8	
Pouches, gunspike, brown	9	...	
Pliers, ...	...	8	
Pouches, matchbox...	...	9	
Rules, 18-inch	...	12	
Saws, hand 20-inch	12	...	
Saws, hand 18-inch	...	12	

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Appointments, Pioneers—*continued.*

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TABLE 5—*continued.*			Duration, in years. For Infantry	Duration, in years. For Cavalry.	Remarks.
Shovels, light, cast-steel			12	...	
Sets, saw, hand			...	12	
Spikes, gun, common			12	12	
Spades, new pattern			...	12	
Straps, connecting, valise equipment, old pattern, mess-tin			9	...	
Spanners, Macmahon, 9-inch ...			...	12	
Tools, shoeing		buffer, farriers' ...	12	...	
		hammer, wheelers', shoeing	12	...	
		knife, drawing ...	12	...	
		pincers, farriers' ...	12	...	
		rasps, farriers' 14-inch	12	...	
Tools, small	auger	screw, 1-inch	12	...	
		bull-nosed, 2-in.	...	12	
	chisels	hand, cold ¾-in.	12	...	
		by 8-inch ...			
		socket, 1¼-in. ...	12	...	
	files, saw, hand	5½-inch ...	12	...	
		3-square, 6-inch ...	...	12	
	hammers, claw		12	...	

MISCELLANEOUS ARTICLES.

TABLE 6.			Duration, in years.	Remarks.
Box, school materials			12	
Case, wood, armourers'			12	
Stamps	brass, gun-metal, on wood, ½-inch ...	figures 0 to 8, sets	12	
		letters, single ...	12	
	copper, inlaid, ½-in.	figures 0 to 8, sets	12	
		letters, single ...	12	
	steel, for wood, ½-inch ...	figures 0 to 8, sets	12	
		letters, single ...	12	
	steel, ½-inch		12	
	wood, 2-inch...		12	
Irons, branding, ¼-inch		figures 0 to 8, sets	8	
		letters, single ...	8	
Range-finders, field, Weldon ...			12	
Range-finder, field, Weldon		tapes, measuring, 20 yards	12	
		cases, tape, measuring ...	12	

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SECTION XVI.—DUTIES OF ARMOURER SERJEANTS.

373. Armourer serjeants will perform the following duties— **Duties.**

(*a.*) Execute all repairs required to the arms (including lances, pistols, swords, and scabbards) in possession of, or that may be supplied to, their respective units; and perform any other work, within their capabilities, required to the equipment of their units, such as repairs to helmets and chains, busby chains, lancer cap chains, and the brass-work on the lancer cap.

(*b.*) Thoroughly strip all rifles, carbines and pistols, and examine and clean them periodically. With the prescribed assistance, brown the barrel of each rifle, carbine, and pistol, every second year, or oftener if necessary. Examine and clean periodically all arms.

(*c.*) Mark all arms in possession or that may be supplied, also the drums, bugles, flutes, piccolos, or trumpets. Perform all repairs to the iron and metal-work of accoutrements, saddlery, and appointments, including the roughing of stirrup irons which is to be done every third year, or oftener if necessary. Keep in repair the tools in the armourer's boxes.

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(*d.*) Within working hours, the services of armourer serjeants will, when the duties of their own units admit, be generally available for the performance of any of the above duties for other units or departments, without extra remuneration; but the employment of an armourer-serjeant with another corps is limited to the case of a units without artificers,—or to cases in which artificers are attached, but additional assistance is required under exceptional circumstances.

(*e.*) Execute repairs necessitated by carelessness or wilful damage, without addition to pay.

(*f.*) Fit the plates supplied with cork helmets.

374. The localised armourer serjeants specially posted to certain Regimental Districts will examine, repair, and re-brown, as necessary, the arms of all Depôts, units unprovided with armourer serjeants, and Militia battalions in the districts allotted to them by paragraph 337. **Localised Armourer serjeants.**

375. Armourer serjeants will, in addition to the duties laid down in paragraphs 373 and 374, execute any trifling repairs, and also such other work within their capabilities as, under special authority, they may be called upon to perform. **Additional work.**

376. Armourer serjeants are not allowed to make any charge against a soldier for work performed on the arms. **Soldiers not to be charged.**

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54 Cav. Gen. No. 782

APPENDIX I.

(*Referred to in paragraphs* 55 *and* 85.)

INSTRUCTIONS FOR KEEPING EQUIPMENT LEDGERS.

Ledgers.

1. The ledgers will contain a faithful record of all permanent equipment received or issued. They will be balanced up to 31st March in each year, and will be forwarded, with the vouchers in support, from home stations direct, and from stations abroad through the Senior Ordnance Store Officer, before the 1st May, to the Accountant-General, War Office. The vouchers should not be folded up, but should be laid flat in the equipment ledger.

When balanced and furnished.

A.O. 82, 1893.

When they need not be furnished.

2. When a change of Commanding Officers takes place between the 31st December and the 1st April, the Officer assuming the command will not be required to render an equipment ledger until the 31st March of the following year, unless another change of Commanding Officers shall take place in the meantime.

Copies to be kept.

3. Copies will be kept of all equipment ledgers sent to the Accountant General. Should any queries arise on the

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examination of the ledgers, copies of such queries and of the replies will be retained by the accountant, who will correct his copy of the ledger accordingly.

Special cases.

4. On a unit being disbanded, or embarking for India, the equipment ledger will be balanced and forwarded to the Accountant General.

Transfer of equipment.

5. When equipment is transferred from one Commanding Officer, or other accountant, to another, stock will be taken as laid down in paragraph 11, Part 1, and the Board therein mentioned will furnish the following certificate:

We certify, in accordance with paragraph 11, Part 1, of the Equipment Regulations, that on the transfer of the equipment of the * on the† the whole has been inspected by us, and has been found to be properly appropriated, in good condition, and to agree in the quantities and numbers of the several articles actually in possession, with those shown in the equipment ledger.

* Here insert the corps.
† Here insert the date.

President, _____

Members _____

_____

_____ *Officer giving over charge*

_____ *Officer taking over charge.*

Stores found surplus or deficient.

6. Any surplus stores will at once be brought on charge in the ledger by certificate receipt voucher, and all stores which may be found to be deficient will be struck off charge by a priced voucher (Army Form P 1925), and columns B and C on this voucher will invariably be filled up. These vouchers will be signed by the officers who sign the certificate.

A balance to be struck.

7. A balance will then be struck, as directed in paragraph 22 of this Appendix, which will show the total of each article of equipment for which the officer who takes over command is responsible. This balance will agree with the numbers given by the certificate referred to in paragraph 5 of this Appendix.

Ledger to be closed and submitted.

8. The officer giving over command will then close his ledger to date of giving over charge, and submit it as a final account for examination, and he will be held responsible for all discrepancies which may be found to exist therein; he will also give facilities to the officer assuming command to start a new ledger, the first line, or "state," of which should agree in every particular with the balance, or "remain at date," shown in the old ledger.

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Covering letter with explanations

9. In forwarding the ledger to the date of transfer of charge, or date of final balance, it should be accompanied by a covering letter, and any explanations which the officer giving over command may have to make, as regards the stores found surplus or deficient, should be transmitted.

Equipment of detachments.

10. Officers commanding detachments referred to in paragraph 93, Part 1, will become accountants for their equipments, and will render equipment ledgers in accordance with these regulations, so long as they remain independently detached. When a detachment of Infantry is attached to a battalion, the equipment will be transferred, by voucher, to the Officer Commanding the battalion, but will be accounted for by him, in a separate ledger, Army Book 239, and in the case of a provisional battalion composed of several detachments, the Commanding Officer will render a separate ledger for each such detachment.

Vouchers for detachment equipments.

11. Officers commanding units furnishing the detachments will transfer the equipments to the new accountants by regular vouchers, and on receiving their receipts, will strike the articles off charge in their own corps ledgers.

Closing detachment ledgers.

12. When a detachment returns to its own unit, or s absorbed in a territorial depôt or other corps, the equipment will similarly be transferred to the depôt or corps ledger; and the detachment ledger will be closed, and rendered, complete with its vouchers, to the Accountant General as a final ledger.

A.O. 92, 1893.

Articles supplied in sets not to be accounted for in detail.

13. Articles supplied in sets for which a single heading is provided in the printed Equipment Ledgers, will be so accounted for. For instance, chests with tools will be shown as "chests, tool, filled," &c., and the armourer's box, with the materials and tools carried therein as "box, armourer's," &c. A certificate will be given at the end of the ledger by the Commanding Officer that the sets, tool chests, and box are complete, and contain the articles that should be comprised in them as detailed in the regulations. When articles charged in detail are taken on in the Equipment Ledger as sets, reference will be given to the paragraph or table of the regulations which gives the detail. The articles drawn from Ordnance Store to replace losses, &c., in these sets will be taken on charge in the ledger, and the corresponding articles paid for or returned to store will be written off under the same heading, so that the two transactions balance one another.

One column for each article.

14. As ledgers are only provided with one column for each article, and all stores are presumed to be serviceable, separate entries should not be made of unserviceable or repairable articles, which will be dealt with in the usual way under proper authority.

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15. All transactions of receipt and issue that should be recorded in the ledgers will be posted as soon as possible after they occur, and will be supported by voucher. Transactions to be promptly recorded.

16. Vouchers for stores issued are called issue vouchers, and are posted on the right hand or credit side. Vouchers for stores received are called receipt vouchers, and are entered on the left hand or debit side of the ledger. Designations and posting of vouchers.

17. When stores are issued to another accountant there will be prepared two vouchers, namely, a receipt voucher and an issue voucher. *See* also paragraph 5 (*d*), page v, of the Priced Vocabulary of Stores, 1893. Receipt and issue vouchers.

18. The same Army Form will serve both for receipt and issue vouchers, the words "Issue," and "Received into," being struck out when the form is used as a receipt voucher, and the words "Receipt," and "Delivered out of," being struck out when the form is used as a voucher in support of an issue. The same Form for both.

19. Both receipt and issue vouchers will be filled in by the insertion of the total numbers only in the column of the voucher headed "Total number or quantity," the columns S. R. U. and D. being left for use of the Ordnance Store Department. Vouchers to show total quantity only.

20. The ledger folios at which entries are made should invariably be noted on the vouchers supporting the account in the column headed "Ledger folio." Ledger folio to be noted on vouchers.

21. Receipt vouchers and issue vouchers will be kept distinct from each other, arranged consecutively according to date, and numbered in red ink on the face of the voucher in two distinct series from 1 upwards for the whole period of the account. The total number of each series will be stated on the inside cover of the ledger, or on the covering letter transmitting the account. Receipt and issue vouchers to be kept separate.

22. The ledger is balanced by adding up the receipts on the left hand side, and the issues on the right hand side of the ledger, by bringing the total issues over to the left hand side and writing them immediately under the total receipts, the quantities left become the ledger balance or "Remain." The remain when carried forward as the commencing line of the next account is called the "State." How the ledger is balanced. Remain. State.

23. In forwarding the equipment account, officers commanding will certify that it has been carefully checked by an officer appointed by him for that purpose, who will sign it in evidence of such examination. Certificate on forwarding account.

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APPENDIX II.

(*Referred to in paragraph* 83.)

SURVEYS ON THE EQUIPMENT OF TROOPS PROCEEDING TO OR RETURNING FROM INDIA.

SURVEYS AT HOME.

Arrangements to be made with General Officers Commanding.

1. If the survey is at home, the officer appointed by the Secretary of State will ascertain from the Senior Ordnance Store Officer, in whose district the unit is stationed, the day on which it will be convenient to the General Officer Commanding that the survey should be made; and will on such day being named, arrange with the officer appointed on behalf of the Government of India to commence the duty.

Representative Officers.

2. The officer so appointed on the part of the War Office, will hold the survey in conjunction with the officer named by the India Office.

Object of survey.

3. The object of the survey being to obtain a true account of all articles of Government property in possession of the unit, with a view to a correct valuation between the Imperial and Indian revenues, it is necessarily minute and somewhat tedious, and much, therefore, depends upon the co-operation of all concerned, in order to bring the survey to a speedy and satisfactory conclusion.

Officers Commanding to have lists prepared.

4. To facilitate the survey, the Officer Commanding the corps of which the equipment is to be inspected, will cause lists of all the articles in possession to be prepared in duplicate, together with returns showing the dates of issue of each article, in readiness to be handed over, with the Inspection Forms for each squadron, battery, or company, to the officers holding the survey. These lists will be made out on Army Forms, which, with the Inspection Forms, should be obtained from the War Office. A.O. 92, 1893.

Ledger to be temporarily balanced.

5. The regimental equipment ledger will be temporarily balanced to the date of the survey, and will be handed to the surveying officers, in order that they may see that all the equipment chargeable to the unit is included in the Survey Report. Any transactions subsequent to the survey will be duly entered in the ledger and a final balance struck to date of embarkation.

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Forms to be handed to Surveying Officers.

6. Previously to the commencement of the survey, the Commanding Officer will hand over the prepared forms referred to in paragraph 4 to the surveying officers, who will enter the detailed results of their inspection thereon.

A.O. 92, 1893

Inspection to be by squadrons, batteries, or companies. Cloaks and great coats.

7. The inspection will be taken by squadron, batteries, or companies, each man bringing up his complete set of accoutrements in order of the rolls, every article being separated. Cloaks, capes, great coats, and haversacks will be inspected at the same time.

Arms and accoutrements of staff and band.

8. The arms, accoutrements, and appointments, of Infantry staff serjeants, drummers, band, and pioneers, will be inspected separately; different rolls being provided for the detail of their appointments.

Quartermasters stores.

9. After this the quartermaster's and the industrial school stores, armourer's box, and artificers and regimental tradesmen's tools, materials for repair, and any other miscellaneous articles of Government property will be inspected, their condition and date of issue being carefully noted on rolls previously prepared for the purpose.

Every article to be produced.

10. It is absolutely necessary that every article be produced for inspection, as any deficiencies afterwards discovered on the examination of the accounts will be chargeable to the unit, and will be paid for prior to embarkation.

Report to be forwarded to the War Office.

11. On the termination of the survey, while the surveying officers are upon the spot, they will draw up a joint report of the result of the survey, and will forward the same, accompanied by the detailed forms alluded to in paragraphs 4 and 6, through the General Officer Commanding, to the War Office..

Date of survey.

12. In the case of units proceeding from home the survey will be held about one month prior to the date on which the unit is under orders to embark.

Ledger to be balanced, &c.

13. Commanding Officers will take care that their equipment ledgers are duly balanced up to date of embarkation, and are forwarded as laid down in paragraph 4, Appendix I.

Unsuitable articles to be exchanged.

14. Any arms and accoutrements which, owing to their condition at the time, the Officers holding the survey and the Commanding Officer may consider necessary to be replaced, will be exchanged by the Senior Ordnance Store Officer on requisition from the Commanding Officer, countersigned by the surveying officers. *See* Queen's Regulations, Section XVII.

Report of articles se with drafts to be made.

15. When articles of equipment are taken to India by drafts, the Officer Commanding the unit to which the men belong will send to the War Office a return showing the number of articles so taken, giving the dates of issue,

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and will name the vessel in which the men have embarked, and the date of embarkation.

Troops returning from India.

Survey to be held within one week after arrival at destination.

16. The survey upon the arms, accoutrements, appointments, and clothing in possession of a unit on its return from India, will be held as early as possible after its arrival at its final destination in the United Kingdom, and will be conducted in the same manner as in the case of Regiments proceeding to India from this country. When the survey has been taken, requisitions for any articles required in place of those which may have become obsolete or unserviceable will be at once put forward, in order that no time may be lost in completing the clothing and equipment of the unit. Should the survey have to be delayed unduly from any cause, an immediate report of the circumstances will be made to the War Office by the General Officer Commanding. The stores brought from India will be retained by the unit or draft, or at depôts, until authority for their disposal has been received from the Valuation Committee appointed by the War and India Offices.

Arms, &c., to be retained till receipt of order for disposal.

Units returning from India.

17. When the necessary survey is held on the equipment of a unit returned from India, the surveying officers will furnish the Commanding Officer with a detail of the equipment taken over from the Indian Government, and this equipment will become the first charge in the Imperial equipment ledger. This detail will be put up with the ledger as a voucher for the entries made therein. They will also furnish the Commanding Officer with a list of the unserviceable articles to be returned to the India Store Department, the receipt for which should be retained by the Commanding Officer, as no record of the transaction will appear in the Imperial equipment ledger. The Commanding Officer will send without delay to the War Office a detail of all packages belonging to the Imperial Government sent away with the unserviceable stores.

Indian ledger and clothing accounts to be produced.

18. The Commanding Officer will produce to the Officer representing India, the Indian equipment ledger and accounts of Clothing and Necessaries, showing the final balances closed to the date of embarkation, together with copies of the Indian returns showing the condition and dates of issue of all equipment on leaving India.

Vouchers to be sent with articles to India Store Depôt.

19. No articles will be sent to the India Store Depôt, Lambeth, without a receipt and issue voucher, on the printed forms which are furnished by the Valuation Committee when the equipment is inspected; and these

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documents will be forwarded to the Superintendent of General Supplies, India Store Depôt, Belvedere Road Lambeth, so as to anticipate the arrival of the articles to which they refer.

Name on packages.

20. The name of the unit or draft from which the articles are sent will be marked on the outside of the cases or packages.

Articles in possession of men joining direct.

21. Officers Commanding depôts or other units will forward to the War Office returns of all arms and equipment, &c., in possession of soldiers coming home from India and joining their depôts or other units direct, specifying the condition as well as dates of issue of the same. These returns will be forwarded as soon as possible after the men join, and will not include articles in possession of men who are discharged immediately they arrive.

Clothing and Necessaries.

22. For instructions as to the survey of clothing and necessaries, *see* "Regulations for the Supply of Clothing and Necessaries to the Regular Forces."

SURVEYS ABROAD.

Troops proceeding to India from abroad.

23. The conditions laid down in the previous paragraphs will apply equally to the surveys to be held on equipment of troops proceeding to India from stations abroad, it being left for the consideration of the Indian Government to send out an officer to act on their behalf.

Constitution of Board of Survey.

24. If the Inspecting Officers of the Valuation Committee are unable to attend, a special Board of Survey is to be convened for the inspection, which Board is, as far as practicable, to be constituted as follows:—

A Field Officer of the Unit, President.
A Captain of the Unit } Members.
An Ordnance Store Officer }

The quartermaster of the battalion or regiment will be in attendance for the purpose of affording any information the Board may require.

Arrangement with G.O.C.

25. The Senior Ordnance Store Officer will arrange, as laid down in paragraph 1, for the survey, and also for the convening of the Board.

Necessary forms to be supplied.

26. The necessary forms for carrying out the survey will be supplied as laid down in paragraph 4, and the inspection of the equipment is to be made in accordance with the mode of procedure laid down for units proceeding from the United Kingdom, and when completed the returns will be signed by the President and Members of the Board.

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Returns signed by Officer Commanding.

27. The quartermaster will furnish the following returns, signed by himself, and countersigned by the Commanding Officer :—

List of Materials for repairing { Accoutrements. / Arms.
„ Armourers tools.
Tools for trades (*if any are taken out*).
„ Industrial School Materials to be taken out.
„ Dates of Receipt of Equipment.

Returns to be forwarded

28. When all the Returns and Forms of Inspection have been duly completed and signed, they will be forwarded, with the Board's report of result of inspection or survey, to the General Officer Commanding for transmission to the War Office.

[NOTE.—*Appendix III of* 1890 *Edition has been cancelled. Tables* 2 *and* 3 *will be transferred to Part III. Table* 5A *has been transferred to paragraph* 210.]

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APPENDIX III.

(*Referred to in paragraph* 365.)

INSTRUCTIONS FOR THE CARE AND PRESERVATION OF FLUTES AND PICCOLOS.

Joints and bore to be wiped with oiled rag.

1. The player, in whose care the instrument is placed, must carefully wipe the joints and bore with an oiled rag or brush once or twice a week. The oil must not be put on too thick, a slight gloss in the bore is all that is required.

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Moisture to be removed.

2. After use the instrument must have the moisture carefully wiped away from the joints and bore, and when perfectly dry inside, have an oiled rag or brush passed through the bore.

Precautions against splitting.

3. The instrument must not be placed in the sun, nor laid on cold stone or iron while warm or wet inside. These precautions are necessary to protect the wood from splitting.

Cleaning rag not to be forced through bore.

4. Care must be taken not to force the cleaning rag through the bore, as splitting is liable to be caused thereby.

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APPENDIX IV.

(*Referred to in paragraph* 241.)

TOOLS AND MATERIALS FOR REGIMENTAL AND CIRCUIT ARMOURERS.

1. The tools and materials will be supplied free in the first instance, but are thereafter to be kept up and renewed as they become worn out, at the expense of the armourer.

2. The screw plates and taps when renewable must be obtained exclusively from the Ordnance Store Department.

3. When a regimental armourer is detailed to perform work for which tools are required which are not included in his set, the additional tools can be obtained on loan from the Ordnance Store Department.

Articles.	For Armourers of Units armed with						For Circuit Armourers.	Remarks.
	Carbines.			Rifles.				
	M.L.M. Cavalry.	Cavalry and Artillery.		M.H. Mark II.	M.L.M.			
		M.M.	M.H.		Mark I.*	Mark II.		
Boxes, tool, empty, regimental armourers	1	1	1	1	1	1	1	
Chests, tool, empty, district armourers	....	....	....	....	....	....	1	
Awls { blades, armourers	2	2	2	2	2	2	2	
Awls { handles, brad, small	2	2	2	2	2	2	2	
Bits { soldering, 1½-lbs.	1	1	1	1	1	1	1	
Bits { tool clearing, ·303″ Arms	1	1	....	....	1	1	1	
Blocks, depressing lever, M.H.	....	1	1	1	....	....	1	
Braces, armourers	1	1	1	1	1	1	1	

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Tools and Materials for Regimental and Circuit Armourers—*continued.*

Articles.			For Armourers of Units armed with						For Circuit Armourers.	Remarks.
			Carbines.			Rifles.				
			M.L.M. Cavalry.	Cavalry and Artillery.		M.H. Mark II.	M.L.M.			
				M.M.	M.H.		Mark I.*	Mark II.		
Braces, armourers, Bits	countersink, rose		1	1	1	1	1	1	1	
	rimer	half-round	1	1	1	1	1	1	1	
		4-square	1	1	1	1	1	1	1	
		5 ,, ...	1	1	1	1	1	1	1	
	screw-driver	butt plate screw	1	1	1	1	1	1	1	
		cutter, countersink cartridge head, M.H. (and M.M. also for stick, cleaning chamber, M.H. and M.M.)	....	1	1	1	....	....	....	When the stock of these is used up, they will be replaced by the next item.
		stick, cleaning chamber, M.L.M. (also M.H. and M.M., also for cutter, countersink cartridge head M.H. and M.M.)	1	....	....	....	1	1	1	
		stock { *M.H.*	....	1	1	1	....	....	1	Ditto ditto
		bolt { M.L.M. rifle	1	....	....	....	1	1	1	
		stop nut	....	1	1	1	....	....	1	

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54 Cav. Gen. No. 782 and 54 Gen. No. 5125

(EQ. R.)

54 Gen. No. 5645

Braces, armourers, bits, spoon	....	....	1	1	1	1	1	1	1	1	* 1 per annum for every 200 stands of arms.
Brushes, wire, M.L.M. rifle	....	....	1*	1*	....	1*	1*	1*	1*	1	
Cans, oil, lubricating, armourers	....	....	1	1	1	1	1	1	1	1	
Chisels { firmer .... { $\frac{3}{4}$ in.	....	....	1	1	1	1	1	1	1	1	
	....	....	1	1	1	1	1	1	1	1	
	....	....	1	1	1	1	1	1	1	1	
hand, cold { $\frac{1}{2}$ " × 7 in.	....	....	1	1	1	1	1	1	1	1	
$\frac{3}{8}$ " × 7 "	....	....	1	1	1	1	1	1	1	1	
Clams, armourers, vice	....	pairs	1	1	1	1	1	1	1	1	
Corks, clam (single)	....	....	4	4	4	4	4	4	4	4	
Cutters, countersink { M.H.	....	....	....	1	1	....	....	....	1	1	
cartridge head { M.M.	....	....	....	1	....	....	1	....	1	1	
fore-end { M.L.M rifle { Mark I.*	....	....	1	....	....	....	1	1	1	1	
Mark II.	....	....	1	....	....	....	1	1	1	1	
Drifts { magazine, catch pin, M.L.M. rifle	....	....	1	....	....	....	1	1	1	1	
sight, axis pin, M.L.M. rifle	....	....	1	....	1	1	....	1	1	1	
wire { large	....	....	....	1	1	1	1	....	1	1	
small	....	....	1	1	1	1	1	1	1	1	
large	....	....	1	1	1	1	1	1	1	1	
medium	....	....	1	1	1	1	1	1	1	1	
small	....	....	1	1	1	1	1	1	1	1	
Drivers, screw, armourers { extractor, axis, M.L.M.	....	....	....	....	....	....	....	....	....	....	
rifle	....	....	1	....	....	....	1	1	1	1	
fork, dial, sight, M.L.M. rifle	....	....	....	....	....	....	1	1	1	1	
Files, bastard { flat .... 6 inch	....	....	2	2	2	2	2	2	2	2	
.... 10 "	....	....	2	2	2	2	2	2	2	2	
half-round { 8 "	....	....	1	1	1	1	2	1	2	1	
6 "	....	....	2	2	2	2	2	2	2	2	
4 "	....	....	2	2	2	2	2	2	2	2	

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Tools and Materials for Regimental and Circuit Armourers—*continued.*

Articles.			For Armourers of Units armed with							For Circuit Armourers.	Remarks.
			Carbines.			Rifles.					
			M.L.M. Cavalry.	Cavalry and Artillery.		M.H. Mark II.	M.L.M.				
				M.M.	M.H.		Mark I*.	Mark II.			
Files	bastard	pillar 6-inch	1	1	1	1	1	1		1	
		round .... 8 "	1	1	1	1	1	1		1	
		round .... 4 "	2	2	2	2	2	2		2	
		safe-edge .... 3 "	2	2	2	2	2	2		2	
		safe-edge .... 10 "	2	2	2	2	2	2		2	
		three-square 8 "	2	2	2	2	2	2		2	
	dead smooth, three-square	6 "	2	2	2	2	2	2		2	
		flat .... 6 "	1	1	1	1	1	1		1	
		flat .... 8 "	1	1	1	1	1	1		1	
		half-round 6 "	2	2	2	2	2	2		2	
		half-round 4 "	1	1	1	1	2	2		2	
	smooth	pillar .... 6 "	2	2	2	2	2	2		2	
		pillar .... 3 "	1	1	1	1	1	2		2	
		safe-edge .... 8 "	2	2	2	2	2	2		2	
		safe-edge .... 6 "	1	1	1	1	1	1		1	
		three-square 5 "	1	1	1	1	1	1		1	
		three-square 4 "	2	2	2	2	2	2		2	

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Floats, fore-end, M.L.M. rifle	No. 1 (large)	....	1	....	....	....	1	1	1	
	No. 2 (medium)	...	1	....	....	....	1	1	1	
	No. 3 (small)....	....	1	....	....	....	1	1	1	
Gauges, armourers	cartridge { dummy, M.H.	....	....	....	1	1	....	....	1	
	cartridge { head { M.M.	....	....	1	....	....	....	....	1	
	cartridge { head { M.H.	....	....	....	1	1	....	....	1	
	distance of bolt from end of chamber { ·64 in.	....	1	1	....	....	1	1	1	This also serves as a gauge cartridge dummy M.M. for testing loading and firing positions of M.M. arms. Or patt. B. Also suitable for Mark I*.
	distance of bolt from end of chamber { ·072 „	1	....	....	....	....	1	1	1	
	extractor, M.H.	....	....	....	....	....	....	....	1	
	striker, point, M.L.M. { *Patt. A*	....	....	....	....	1	....	....	....	
	striker, point, M.L.M. { Patt. B	1	1	....	....	....	....	1	1	
Gimlets. common	....	3	3	3	3	3	3	3	3	
Gouges, firmer	$\frac{3}{4}$-inch	1	1	1	1	1	1	1	1	
	$\frac{1}{2}$ „	1	1	1	1	1	1	1	1	
	$\frac{1}{4}$ „	1	1	1	1	1	1	1	1	
Hammers, riveting	24-oz.	1	1	1	1	1	1	1	1	
	4 „	1	1	1	1	1	1	1	1	
Handles, file	large	6	6	6	6	6	6	6	6	
	small	6	6	6	6	6	6	6	6	
Horses, armourers		1	....	....	....	....	....	....	2	
54 2—10 63 **Implement,** action, pattern C		1	....	....	....	....	....	1	1	
Mandrils	scabbard, sword blocking, leather	....	....	....	....	....	1	1	1	
	bayonet, locket	....	....	....	....	....	1	1	1	
	pattern 1888 tip	....	....	....	....	....	1	1	1	* Pattern of mandril to follow pattern of protector.
Mandrils, sight protector*	....	....	1	1	1	1	1	1		
Pincers, armourers	.... pairs	1	1	1	1	1	1	1		

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Tools and Materials for Regimental and Circuit Armourers—*continued.*

Articles.	For Armourers of Units armed with						For Circuit Armourers.	Remarks.
	Carbines.			Rifles.				
	M.L.M. Cavalry.	Cavalry and Artillery.		M.H. Mark II.	M.L.M.			
		M.M.	M.H.		Mark I.*	Mark II.		
Planes, smoothing, armourers	1	1	1	1	1	1	1	
Plates, screw 6 taps, 3 hole .... sets	....	1	1	1	....	....	1	
18 „ 18 „ .... „	....	....	....	....	1	....	....	Or 20 tap 20 hole.
20 „ 20 „ .... „	1	....	....	....	....	1	1	Also suitable for Mark I*.
Pliers, flat nose .... pairs	1	1	1	1	1	1	1	
54 Gen No. 5872 **Plugs,** clearing plain ·303 arms	1	1	....	....	1	1	1	Tapped at end to screw on rod.
split, M.L.M. rifle....	1	1	....	....	1	1	1	
Pots, glue, ½-pint	1	1	1	1	1	1	1	
Pressers, extractor, spring, M.L.M. rifle	1	....	....	....	1	1	1	
Punches, depressing lever, M.H.	....	1	1	1	....	....	1	
Rasps, fine, half-round, 9 in.	1	1	1	1	1	1	2	
Rods armourers, M.H. carbine	....	....	1	....	....	....	1	
cleaning, M.H. rifle, copper....	....	....	....	1	....	....	1	
M.L.M. rifle	1	1	....	....	1	1	1	Tapped at end to take wire brush.

54 Cav. Gen. No. 782 and 54 Gen. No. 5125

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	Gen. No. 6531	Gen. No. 3	Gen. No. 5125	Gen. No. 54 and 782	Gen. No. 54			
Rods, tool clearing ·303 in. arms (and plug clearing)	1	1	....	....	1	1	1	Screwed at end to take clearing bit and clearing plug.
Saws { hand, 24-inch	1	1	1	1	1	1	1	
Saws { slitting, $7\frac{1}{8}$-inch	1	1	1	1	1	1	1	
Scribers, for sight line tool	....	....	....	....	....	....	....	This should be made by armourer.
Stakes, armourers { horns of lever, M.H.	....	1	1	1	....	....	1	
Stakes, armourers { lever for tumbler, M.H.	....	1	1	1	....	....	1	
Stamps, steel — for metal — $\frac{1}{8}$-inch letters, 1 letter	*	*	*	*	*	*	1 set	* As required for regimental initials of abbreviated corps marks.
Stamps, steel — for metal — $\frac{5}{64}$-inch { figures, 0 to 8, sets	1	1	1	1	1	1	1	
Stamps, steel — for metal — $\frac{5}{64}$-inch { letters, 1 letter	*†	*†	*†	*†	*†	*†	1 set	†As required for regimental terminals of abbreviated corps marks.
Stamps, steel — for wood — $\frac{5}{32}$-inch, figures, 0 to 8, sets	....	‡1	1	1	....	....	1	
Stamps, steel — for wood — letters, 1 { $\frac{7}{64}$-inch	....	‡*	*	*	....	....	1 set	
Stamps, steel — for wood — letters, 1 letter { $\frac{5}{64}$ „	....	‡†	†	†	....	....	1 set	‡Except for Cavalry, Mark III., and Artillery, Marks II. and III., which have marking discs.
Stamps, steel — dash lines, $\frac{1}{2}$-inch, for metal	1	1	1	1	1	1	1	
Sticks { buff	3	3	3	3	3	3	3	
Sticks { cleaning chamber { M.H.	....	....	....	1	....	....	1	
Sticks { cleaning chamber { ·303 arms	1	1	....	....	1	1	1	
Sticks { „ „ ·303 arms, gauze wire pieces	1	1	....	....	1	1	1	
Stones, oil { armourers	1	1	1	1	1	1	1	When the stock of these is used up, they will be replaced by the next item.
Stones, oil { slips, Arkansas { large	1	....	....	....	1	1	1	
Stones, oil { slips, Arkansas { small	....	1	1	1	....	....	1	
Testers, trigger pull { *M.H.*	....	1	1	1	....	....	....	
Testers, trigger pull { M.L.M. Rifle	1	....	....	....	1	1	1	

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Tools and Materials for Regimental and Circuit Armourers—*continued.*

Articles.	For Armourers of Units with armed						For Circuit Armourers.	Remarks.
	Carbines.			Rifles.				
	M.L.M. Cavalry.	Cavalry and Artillery.		M.H. Mark II.	M.L.M.			
		M.M.	M.H.		Mark I*.	Mark II.		
Tools, bow drilling — bows, armourers	1	1	1	1	1	1	1	
boxes	2	2	2	2	2	2	2	
breast-plates, armourers	1	1	1	1	1	1	1	
drills (sets)	1	1	1	1	1	1	1	5 to a set.
stocks	1	1	1	1	1	1	1	
strings, armourers, knots	2	2	2	2	2	2	2	
54 Gen. No. 5872 **Tools,** clearing, ·303 inch arms — bits — corkscrew	1	1	1	....	1	1	1	
bits — spoon	1	1	1	....	1	1	1	
rod	1	1	1	....	1	1	1	
Tools, removing — handguards, M.L.M. Rifle	1	....	....	....	1	1	1	
striker, M.L.M. Rifle	1	....	....	....	1	1	1	
wad stock bolt, M.L.M. Rifle	1	....	....	....	1	1	1	
Tools, repairing bayonet scabbards — awls, spoon	....	....	....	*1	....	....	1	* Not for Rifle Battalions which have no triangular bayonets.
blocks, riveting	....	....	....	*1	....	....	1	
mandrils — long	....	....	....	*1	....	....	1	
mandrils — short	....	....	....	*1	....	....	1	
pliers (pairs)	....	....	....	*1	....	....	1	
pressers	....	....	....	*1	....	....	1	
punches, cup	....	....	....	*1	....	....	1	

54 Cav. Gen. No. 782 and 54 Gen. No. 5125

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										54 Cav. Gen. No. 782 and 54 Gen. No. 5125
Tools, repairing bayonet-scabbards	punches	riveting	large	....	....	....	*1	....	....	1	* Not for Rifle Battalions which have no triangular bayonets.
			small	....	....	....	*1	....	....	1	
		set		....	....	....	*1	....	....	1	
		stripping		....	....	....	*1	....	....	1	
	sets, flat			....	....	....	*1	....	....	1	
Tools, sight line†				1	1	1	1	1	1	1	†Pattern of tool to follow pattern of arm.
Vices	hand, 16-oz.			1	1	1	1	1	1	1	
	standing, 36 lbs.			....	....	....	....	....	....	1	
TOOLS FOR SWORDS & SCABBARDS.											
Mallets, scabbard, sword, cavalry				....	....	....	....	....	....	1	Also 1 of each for armourers of mounted corps, pattern of mandril to follow pattern of scabbard in possession.
Mandrils, scabbard, sword, cavalry, pattern 1885	Mark I.			....	....	....	....	....	....	1	
	Mark II. ...			....	....	....	....	....	....	....	
MATERIALS.											
Boxes, oilstone dust				1	....	....	....	1	1	1	
Borax, refined .... ozs.				2	2	2	2	2	2	2	
Cloth, emery, fine	O. .... quires			½	½	½	½	½	½	½	
	F. .... ,,			½	½	½	½	½	½	½	
Dust, oilstone .... ozs.				6	....	....	....	6	6	6	
Glue, best town made .... lbs.				1	1	1	1	1	1	1	
Paper, glass	coarse, No. 2 .... quires			½	½	½	½	½	½	½	
	fine, No. 1½ .... ,,			½	½	½	½	½	½	½	
Resin, black .... lbs.				½	½	½	½	½	½	½	
Spelter, brass .... oz.				2	2	2	2	2	2	2	
Tin, grain .... ,,				4	4	4	4	4	4	4	
Wire, armourers, iron, No. 20 W.G., soft lbs.				½	½	½	½	½	½	½	

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APPENDIX V.

(*Referred to in paragraphs* 243 *and* 245.)

SETS OF TOOLS.

CHEST, TOOL, FILLED, No. 1A.

(Bricklayer's and Mason's, General Service, except for Royal Engineers.)

Articles.	No.
Woolwich Store Charge, 2.	
Pickaxes { Heads, 6½-lb.	1
Pickaxes { Helves, 34½ inches	1
Woolwich Store Charge, 7.	
Chests, tool, empty, No. 1.	1
Axes, masons, 6-lb.	2
Bars, setting	1
Bevels, wood blade, 15-inch	1
Brushes, whitewash { 9-oz.	1
Brushes, whitewash { 6 ,,	1
Chisels { brick { 24-inch	1
Chisels { brick { 18 ,,	1
Chisels { brick { 12 ,,	1
Chisels { masons { 2½ ,,	1
Chisels { masons { 2 ,,	1
Chisels { masons { 1½ ,,	1
Chisels { masons { 1 ,,	1
Hammers { brick	1
Hammers { masons { chisel point, 5-lb.	1
Hammers { masons { double pick, 8-lb.	1
Hammers { masons { mash	1
Hammers { masons { spalling, 10-lb.	1
Woolwich Store Charge, 8.	
Levels, F. S., 2-ft. 6-in.	1
Lines, bricklayers	1
Mallets, masons	1
Pins, line pairs	1
Plugs, with feathers sets	6
Points, masons	2
Rules { collarmakers, 4-fold	1
Rules { masons, plumb	1
Shovels, universal	1
Squares, smiths, iron	1

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Chest, Tool, Filled, No. 1A (Bricklayer's and Mason's)—*cont.*

Articles.	No.
Trowels { bricklayers, 12-inch	1
masons	1
plasterers, set	1
The undermentioned are not carried in the Chest, and will be separately demanded, charged, and accounted for.	
Woolwich Store Charge, 7.	
Buckets, masons sieve	1
Woolwich Store Charge, 8.	
Sieves, masons	1

CHEST, TOOL, FILLED, No. 3A.

(Carpenter's, G.S.)

Articles.	No.
Woolwich Store Charge, 7.	
Chests, tool, empty, No. 3	1
Adzes, carpenters { Heads	1
Handles	1
Augers { shell { 1½-inch	1
1¼ ,,	1
1⅛ ,,	1
1 ,,	1
⅞ ,,	1
¾ ,,	1
⅝ ,,	1
½ ,,	1
Handles { 18-inch	1
16 ,,	1
13½ ,,	1
12 ,,	1
Awls { Blades, brad	24
Handles, brad { large	3
small	3
Axes, carpenters, 6½-lb.	1

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Chest, Tool, Filled, No. 3A (Carpenter's, G.S.)—*continued.*

Articles.	No.
Bags, tool, carpenters	1
Bars, crow, 2 ft. 3 in.	1
Bevels, steel blade, 12-inch	1
Braces, carpenters, with 24 bits*	1
Chisels — firmer — $1\frac{1}{2}$-inch	1
Chisels — firmer — 1 "	1
Chisels — firmer — $\frac{3}{4}$ "	1
Chisels — firmer — $\frac{1}{2}$ "	1
Chisels — hand, cold — 1 inch × 8 inches	1
Chisels — hand, cold — $\frac{3}{4}$ " × 8 "	1
Chisels — mortice — $\frac{1}{2}$-inch	1
Chisels — mortice — $\frac{3}{8}$ "	1
Chisels — mortice — $\frac{1}{4}$ "	1
Chisels — socket — $1\frac{1}{2}$ "	1
Chisels — socket — 1 "	1
Chisels — socket — $\frac{3}{4}$ "	1
Chisels — socket — $\frac{5}{8}$ "	1
Chisels — socket — $\frac{1}{2}$ "	1
Compasses — common, 7-inch	1 pairs
Compasses — wing, 10 "	1 "
Drivers, screw, G. S. — 14-inch	1
Drivers, screw, G. S. — 6 "	1
Files — bastard — half-round, 14-inch	2
Files — bastard — round 14 "	1
Files — saw, three square — hand $5\frac{1}{2}$ "	18
Files — saw, three square — tenon 4 "	6
Gauges, carpenters — marking	1
Gauges, carpenters — mortice	1
Gimlets — common	8
Gimlets — spike — $\frac{3}{8}$-inch	2
Gimlets — spike — $\frac{1}{4}$ "	2
Gouges — firmer — $\frac{5}{8}$-inch	1
Gouges — firmer — $\frac{1}{2}$ "	1
Gouges — firmer — $\frac{3}{8}$ "	1
Gouges — pecking, 1-inch	1

* Detail of bits:—

Braces, carpenters, Bits — centre, $1\frac{1}{4}$, 1, $\frac{7}{8}$, $\frac{3}{4}$, $\frac{5}{8}$, $\frac{1}{2}$, and $\frac{3}{8}$-inch	7
Braces, carpenters, Bits — countersink — flat	1
Braces, carpenters, Bits — countersink — rose	1
Braces, carpenters, Bits — dowling sash	1
Braces, carpenters, Bits — gouge, $\frac{7}{16}$, $\frac{3}{8}$, $\frac{5}{16}$, $\frac{1}{4}$, $\frac{3}{16}$, and $\frac{1}{8}$-inch	6
Braces, carpenters, Bits — nose, $\frac{3}{8}$, $\frac{5}{16}$, $\frac{1}{4}$, $\frac{3}{16}$, and $\frac{1}{8}$-inch	5
Braces, carpenters, Bits — rimer, square	1
Braces, carpenters, Bits — screwdriver	1
Braces, carpenters, Bits — taper	1

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Chest, Tool, Filled, No. 3A (Carpenter's, G.S.)—*continued.*

Articles.	No.
Hammers { riveting, 24-oz.	1
smiths, sledge, 10-lb.	1
wheelers, shoeing	1
Handles, file { large	2
middling	2
small	2
Woolwich Store Charge, 8.	
Lines, carpenters	1
Mallets, carpenters	1
Pencils, carpenters	12
Pincers, carpenters	pairs 1
Pins, draw-bore { 16-inch	1
12 ,,	2
Planes { bead	1
jack, double iron	1
plough	1
rabbet, skew	1
smoothing, G. S.	1
trying	1
Pots, glue, 1-quart	1
Punches, carpenters { large	1
small	1
Rasps, coarse, half-round, 12-inch	1
Reels, carpenters line	1
Rules, carpenters, common	1
Saws { compass	1
hand, 26-inch	1
tenon, 19-inch	1
Sets, saw, hand	1
Shaves, spoke { 4-inch	2
3¼ ,,	2
Spanners, McMahon, 15-inch	1
Squares { carpenters, 9-inch	1
smiths, iron	1
Stones { oil, carpenters	1
rag	1
Woolwich Store Charge, 11.	
Chalk, white (for line carpenters) lb.	¼
Woolwich Store Charge,	
Brushes, paint, sash tool, No. 6	1

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CHEST, TOOL, FILLED, No. 4A.
(Carpenter's, Plain, G.S.)

Articles.	No.
Woolwich Store Charge, 7.	
Chests, tool, empty, No. 4	1
Adzes, carpenters — Heads	1
Adzes, carpenters — Handles	1
Augers — screw, common — 2-inch	1
Augers — screw, common — 1 ,, 29 inches long	1
Augers — screw, common — ¾ ,,	1
Augers — handles — 18-inch	1
Augers — handles — 16 ,,	1
Augers — handles — 13½ ,,	1
Baskets, tool	1
Chisels — hand, cold, ¾ inch × 8 inches	1
Chisels — socket, ¾-inch	1
Compasses, wing, 10-inch — pairs	1
Drivers, screw, G. S., 12-inch	1
Files, saw, three-square — crosscut, 9-inch	2
Files, saw, three-square — hand, 5½-inch	3
Gimlets — common	3
Gimlets — spike, $\frac{5}{10}$-inch	2
Hammers — riveting, 24-oz.	2
Hammers — wheelers, shoeing	1
Handles, file, small	2
Woolwich Store Charge, 8.	
Knives, drawing, carpenters	1
Lines, carpenters	1
Pencils, carpenters	6
Pincers, carpenters — pairs	1
Punches, carpenters, small	1
Reels, carpenters line	1
Rules, collarmakers, 4-fold	2
Saws, hand, 26-inch	1
Sets, saw, hand	1
Shaves, spoke, 3½-inch	1
Spanners, McMahon, 15-inch	1
Squares, carpenters, 9-inch	1
Woolwich Store Charge, 10.	
Locks, pad, iron, small	1
Woolwich Store Charge, 11.	
Chalk, white (for line, carpenters) — lb.	¼
Woolwich Store Charge, 26.	
Stones, rag	1

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CHEST, TOOL, FILLED, No. 5A.

(Collarmaker's and Saddler's.)

Articles.	No.
Woolwich Store Charge, 7.	
Chests, tool, empty, No. 5	1
Awls — Blades — backing	6
Awls — Blades — buckling — 4-inch	3
Awls — Blades — buckling — 2¾ „	3
Awls — Blades — drawing	2
Awls — Blades — garnishing — 2¼-inch	2
Awls — Blades — garnishing — 1⅞ „	2
Awls — Blades — harness — 1½ „	3
Awls — Blades — harness — 1¾ „	4
Awls — Blades — harness — 1⅝ „	4
Awls — Blades — harness — 1⅜ „	4
Awls — Blades — harness — 1¼ „	3
Awls — Blades — pannel — 5¼ „	2
Awls — Blades — pannel — 4 „	2
Awls — Handles — drawing	4
Awls — Handles — harness	4
Awls — Handles — pannel	4
Bones, hollow	1
Chisels, hand, cold, ¾ inch × 8 inches	1
Clams, collarmakers — pairs	1
Claws, nail	1
Compasses, common, 7-inch — pairs	1
Creases — double	1
Creases — single	1
Drivers, screw, G. S., 6-inch	1
Gimlets, common, ⅛-inch	1
Hammers — collarmakers	1
Hammers — riveting — 24-oz.	1
Hammers — riveting — 8-oz.	1
Hammers — riveting — saddle-seat	1
Irons — collar — 34-inch	1
Irons — collar — 29 „	1
Irons — collar — 23 „	1
Irons — pricking — 12-stitch	1
Irons — pricking — 8 „	1
Irons — pricking — 5 „	1
Irons — seat stuffing, 14-inch	1

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Chest, Tool, Filled, No. 5A (Collarmaker's and Saddler's)—*cont.*

Articles.	No.
Woolwich Store Charge, 8.	
Knives { clasp	1
gauge-plough	1
half-round	1
head	1
Lead, punching, collarmakers, 8-lb.	1
Mallets { collar	1
tinmans	1
Needles { collar { half-moon { 6½-inch	1
5½ „	1
4½ „	1
packing { 1	2
2	2
3	2
4	3
5	3
6	3
darning, 4-inch	6
harness	100
saddlers { sewing	100
stitching	25
Palms, collarmakers	1
Pincers, saddlers	1 pairs
Pliers, flat nose	1 „
Punches, oval { No. 31	1
„ 30	1
„ 28	1
„ 27	2
„ 24	1
„ 23	1
„ 22	2
„ 20	2
Rasps, shoemakers, 10-inch	1
Rules, collarmakers, 4-fold	1
Scissors, tailors	1 pairs
Shaves, collarmakers	1
Spikes, marline, wood	1
Thimbles, tailors	2
Tools, edge { No. 1	1
„ 2	1
„ 3	1
Woolwich Store Charge, 26.	
Stones { rag	1
rub, scythe	1

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Chest, Tool, Filled, No. 5A (Collarmaker's and Saddler's)—*cont.*

Articles.	No.
Woolwich Store Charge, 26 (*continued*).	
Steels, butchers	1
The undermentioned are not carried in the Chest, and will be separately demanded, charged, and accounted for.	
Woolwich Store Charge, 7.	
Cards, towsing, small* .... pairs	1

* Towsing cards will not be issued unless specially demanded. When issued to R.H.A. and Field Batteries they will be carried in the Forge Limber Wagon.

CHEST, TOOL, FILLED, No. 6A.

(Cooper's, General Service, except for Royal Engineers.)

Articles.	No.
Woolwich Store Charge, 7.	
Chests, tool, empty, No. 6	1
Adzes, coopers { notching	1
{ rounding	1
Axes, coopers	1
Borers, bung	1
Chisels, hand, cold, 1 inch by 8 inches	1
Chives, coopers .... { 7¼-inch	1
{ 6¾ "	1
Compasses, wing, 12-inch .... pairs	1
Drivers, coopers { kneed	1
{ socket, iron	1
Files, saw, three-square, hand, 5½-inch	6
Froes (with handle)	1
Hammers .... { coopers, hand, 3½-lb.	1
{ riveting, 8-oz.	1
Howels, barrel	1
Irons, bick upon wood	1
Jiggers	1
Jointers, F. S.	1

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Chest, Tool, Filled, No. 6A (Cooper's, General Service)—*cont.*

Articles.	No.
Woolwich Store Charge, 8.	
Knives .... cramming	1
drawing, coopers	1
notching	1
Pincers, carpenters .... pairs	1
Punches, coopers.... large	1
small	1
Rules, coopers	1
Saws .... compass	1
hand, 26-inch	1
Shaves, coopers .... inside cask	1
inside pail....	1
outside cask	1
round....	1
Stocks .... coopers	1
croze .... barrel	1
croze .... pail	1
Stones, oil, carpenters	1
Vices, screw, iron	1
Woolwich Store Charge, 26.	
Stones, rag	1

CHEST, TOOL, FILLED, No. 7.

(Farrier's and Shoeing Smith's, General Service, except Horse and Field Artillery.)

Articles.	No.
Woolwich Store Charge, 7.	
Chests, tool, empty, No. 7	1
Bags, tool, farriers	1
Forge Tools.	
Chisels, farriers, cold, with iron rod handle	2
Cutters, anvil, nail	1
Cutters, half-round	2
Cresses, farrier (set of 2) .... sets	1
Hammers, farriers .... sledge, 9½-lb.	1
turning	1
Fullers, farriers	1

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Chest, Tool, Filled, No. 7 (Farrier's, &c., General Service)—*cont.*

Articles.	No.
Woolwich Store Charge, 8.	
Pokers, smiths	1
Pritchels, farriers	4
Slices, farriers	1
Stamps, farriers	2
Tongs, farriers, turning (3 sizes)	3
Woolwich Store Charge, 7. SHOEING TOOLS.	
Buffers, farriers	2
Hammers, farriers .... pointing	1
shoeing	1
Woolwich Store Charge, 8.	
Knives.... .... drawing, farriers	6
searching	2
Pincers, farriers .... pairs	1
Rasps, farriers, 16-inch	6
Stakes, farriers	1
Woolwich Store Charge, 26.	
Stones, rag	1

CHEST, TOOL, FILLED, No. 11A.

(Smith's, General Service, except for Royal Engineers and Field Artillery.)

Articles.	No.
Woolwich Store Charge, 7.	
Chests, tool, empty, No. 11	1
Braces, smiths	1
Braces, smiths, Bits countersink, rose	1
rimer half-round....	1
rimer square	1
Callipers, 10-inch .... pairs	1
Chisels hand, cold 1 inch × 8 inches	2
hand, cold ¾ „ × 8 „	2
smiths .... cold	1
smiths .... hot	2

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Chest, Tool, Filled, No. 11A (Smith's, General Service)—*cont.*

Articles.				No.
Compasses, wing, 10-inch			pairs	1
Drivers, screw, G. S.	14-inch			1
	6 ,,			1
Files, bastard	flat	14-inch		10
		10 ,,		6
		8 ,,		4
	half-round	14 ,,		4
		10 ,,		4
	round	12 ,,		4
		8 ,,		2
	rubbers, ½ thick, 16-inch			3
	square	10-inch		2
		8 ,,		2
	three-square	12 ,,		1
		7 ,,		1
	warding, 5-inch			2
	,, cut on one side, 3½-inch			2
Hammers	riveting, 24-oz.			1
	smiths, hand, 3-lb.			1
	smiths, setting			1
	smiths, sledge, 10-lb.			1
	smiths, uphand, 7-lb.			1
Handles, file	large			2
	small			4
Holdalls, smiths				1
	Woolwich Store Charge, 8.			
Pincers, carpenters			pairs	1
Plates, screw, 10 taps, 20 hole				1
Punches, smiths	cold			2
	hot	⅜-inch		1
	hot	½ ,,		1
	hot	⅝ ,,		1
Rules, carpenters, common				1
Saws, cutting metal, 10-inch				1
,, ,, ,, Blades, 10-inch (spare)				1
Spanners, McMahon, 15-inch				1
Squares, smiths, iron				1
Stones, oil, smiths				1
Tongs, smiths	bolt		pairs	1
	forebit		,,	1
	forge, large		,,	1
	hammer		,,	1
	hollow bit		,,	1
	plier		,,	1

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Chest, Tool, Filled, No. 11A (Smith's, General Service)—*cont.*

Articles.		No.
Tools, bow drilling	Bows, smiths	1
	Boxes	2
	Breast-plates, smiths	1
	Drills .... sets	1
	Stocks	1
	Strings, smiths .... knots	6
Vices, hand, 16-oz.		1
The undermentioned are not carried in the Chest, and will be separately demanded, charged, and accounted for:—		
Woolwich Store Charge, 7.		
Chests, stocks and dies, Whitworth thread, $1\frac{1}{8}$-inch to $\frac{1}{4}$-inch, filled		1
Woolwich Store Charge, 8.		
Vices, standing, 36 lbs.		1

CHEST, TOOL, FILLED, No. 12A.

(Whitesmith's or Tinman's, General Service, except for Royal Engineers.)

Articles.		No.
Woolwich Store Charge, 7.		
Chests, tool, empty, No. 12		1
Awls, scoring		1
Bellows, tinman's		1
Chisels, tinman's	1-inch	1
	$\frac{1}{4}$-inch	1
Compasses, common, 7-inch .... pairs		1
Files, bastard, flat, 12-inch		2
Groovers		1
Hammers, tinman's	creasing, 10-oz.	1
	hollowing	1
	riveting, 16-oz.	1

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Chest, Tool, Filled, No. 12A (Whitesmith's, &c.)—*cont.*

Articles.	No.
Hooks, shave, 1½-inch	1
Irons { creasing, 11-lbs.	1
Irons { soldering, tinman's	2
Woolwich Store Charge, 8.	
Knives, laboratory	1
Mallets, tinman's	1
Pots, fire, tinman's	1
Rasps, fine, half-round, 12-inch	1
Shears, tinman's { scotch	1
Shears, tinman's { stock	1
Squares, smith's, iron	1

CHEST, TOOL, FILLED, No. 13A.

(Painter's, General Service, except for Royal Engineers.)

Articles.	No.
Woolwich Store Charge, 7.	
Chests, tool, empty, No. 13	1
Brushes, sable, writing { crow, large	1
Brushes, sable, writing { duck, large	1
Brushes, sable, writing { goose { large	1
Brushes, sable, writing { goose { small	1
Cans, paint { 7½ inches diameter	1
Cans, paint { 7 ,, ,,	1
Woolwich Store Charge, 8.	
Knives { palette, 9-inch	1
Knives { stopping	1
Pots, writing	1
Woolwich Store Charge, 25.	
Brushes, paint { ground, 000	2
Brushes, paint { unground, 000	2
Brushes, paint { sash tool { No. 2	2
Brushes, paint { sash tool { ,, 4	2
Brushes, paint { sash tool { ,, 6	2

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CHEST, TOOL, FILLED No. 3c.

(Wheeler's and Saddletreemaker's, General Service, except for Royal Engineers and Field Artillery.)

Articles.	No.
Woolwich Store Charge, 7.	
Chests, tool, empty, No. 3	1
Adzes, carpenters — Heads	1
Adzes, carpenters — Handles	1
Augers — sheil — 1¼-inch	1
Augers — sheil — 1¼ "	1
Augers — sheil — 1⅛ "	1
Augers — sheil — 1 "	1
Augers — sheil — ⅞ "	1
Augers — sheil — ¾ "	1
Augers — sheil — ⅝ "	1
Augers — sheil — ½ "	1
Augers — Handles — 18-inch	1
Augers — Handles — 16 "	1
Augers — Handles — 13½ "	1
Augers — Handles — 12 "	1
Awls — Blades, brad	24
Awls — Handles, brad — large	3
Awls — Handles, brad — small	3
Axes, wheelers, 7-lbs.	1
Bags, tool, carpenters	1
Bars, crow, 2 feet 3 inches	1
Bevels, steel blade, 12-inch	1
Braces, carpenters, with 24 bits*	1
Buzzes — ⅔-inch	1
Buzzes — ⅝ "	1
Chisels — boxing — large	1
Chisels — boxing — small	1
Chisels — firmer — ⅜-inch	1
Chisels — firmer — ¼ "	1
Chisels — firmer — ⅛ "	1

* Detail of bits:— Braces, carpenters, Bits		
	centre, 1⅛, 1, ⅞, ¾, ⅝, ½, and ⅜-inch	8
	countersink — flat	1
	countersink — rose	1
	dowling sash	1
	gouge, $\frac{7}{16}$, $\frac{3}{8}$, $\frac{5}{16}$, $\frac{1}{4}$, $\frac{3}{16}$, and $\frac{1}{8}$-inch	6
	nose, $\frac{3}{8}$, $\frac{5}{16}$, $\frac{1}{4}$, $\frac{3}{16}$, and $\frac{1}{8}$-inch	5
	rimer, square	1
	screwdriver	1
	taper	1

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Chest, Tools, Filled, No. 3c (Wheeler's, &c.)—*continued.*

Articles.				No.
Chisels	firmer, coachmakers	$1\frac{3}{4}$-inch		1
		$1\frac{5}{8}$,,		1
		$1\frac{1}{2}$,,		1
		$1\frac{3}{8}$,,		1
		$1\frac{1}{4}$,,		1
		$1\frac{1}{8}$,,		1
		1 ,,		1
		$\frac{7}{8}$,,		1
		$\frac{3}{4}$,,		1
		$\frac{5}{8}$,,		1
		$\frac{1}{2}$,,		1
		$\frac{3}{8}$,,		1
		$\frac{1}{4}$,,		1
	hand, cold	1 inch × 8 inches		1
		$\frac{3}{4}$ inch × 8 inches		1
	mortice, $\frac{1}{4}$-inch			1
Compasses	common, 7-inch		pairs	1
	wing, 10 ,,		,,	1
Drivers, screw, G. S.	14-inch			1
	6 ,,			1
Files	bastard, half-round, 14-inch			2
	bastard, round 14 ,,			1
	saw, three-square, hand, $5\frac{1}{2}$-inch			18
	saw, three-square, tenon, 4 ,,			6
Gauges	carpenters, marking			1
	carpenters, mortice			1
	saddletreemakers		sets	1
Gimlets	common			8
	spike, $\frac{3}{8}$-inch			2
	spike, $\frac{1}{4}$,,			3
Gouges	boxing, 2-inch			1
	boxing, $1\frac{3}{4}$,,			1
	firmer, $\frac{5}{8}$,,			1
	firmer, $\frac{1}{2}$,,			1
	firmer, $\frac{3}{8}$,,			1
	pecking, 1-inch			1
Hammers	riveting, 24-oz.			1
	riveting, 16 ,,			1
	saddleseat			1
	smiths, sledge, 10-lbs.			1
	wheelers, shoeing			1
	Woolwich Store Charge, 8.			
Knives, drawing, carpenters				1
Lines, carpenters				1

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Chest, Tool, Filled, No. 3c (Wheeler's, &c.)—*continued.*

Articles.	No.
Mallets, carpenters	1
Pencils, carpenters	12
Pincers, carpenters	1 pairs
Pins, drawbore 16-inch	1
Pins, drawbore 12 ,,	2
Planes bead	1
Planes jack, double iron	1
Planes plough	1
Planes rabbet, skew	1
Planes smoothing, G. S.	1
Planes trying	1
Pots, glue, 1-pint	1
Punches, carpenters large	1
Punches, carpenters small	1
Rasps, coarse, half-round, 12-inch	1
Reels, carpenters line	1
Rules, carpenters, common	1
Saws compass	1
Saws dovetail, brass back	1
Saws frame, 15-inch	1
Saws hand, 26-inch	1
Saws tenon, 19-inch	1
Screws, thumb	1
Sets, saw, hand	1
Shaves, spoke 4-inch	2
Shaves, spoke 3¼ ,,	2
Spanners, McMahon, 15-inch	1
Squares smiths, iron	1
Squares carpenters 9-inch	1
Squares carpenters 4 ,,	1
Stones, oil, carpenters	1
Vices bench, saddletree makers	1
Vices hand, 16-oz.	1
Woolwich Store Charge, 11.	
Chalk, white (for line, carpenters) lb.	¼
Woolwich Store Charge, 25.	
Brushes, paint, sash tool, No. 6 (for glue)	1
Woolwich Store Charge, 26.	
Stones, rag	1
The undermentioned are not carried in the chest, and will be separately demanded, charged, and accounted for.	
Woolwich Store Charge, 8.	
Sampsons*	1

* "Sampsons" are only issued when specially demanded.

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TOOLS FOR MILITARY TRADESMEN.

(*Referred to in paragraph* 245.)

CHEST, TOOL, FILLED, No. 1B.

(Bricklayer's and Mason's, Regimental.)

Packed in Two No. 1 *Chests and forming One Set.*

Articles.	No.
Woolwich Store Charge, 7.	
Chests, tool, empty, No. 1	2
(BRICKLAYER'S TOOLS.)	
Axes, brick	2
Bars, crow, 3 feet 6 inches	1
Bevels, brass blade	2
Chisels brick 24-inch	2
Chisels brick 18 ,,	2
Chisels brick 12 ,,	2
Chisels masons, 2¼-inch	2
Hammers, brick	3
Woolwich Store Charge, 8.	
Lines, bricklayers	2
Pins, line pairs	2
Rules carpenters, common	2
Rules masons, plumb	2
Trowels bricklayers, pointing cross joint	1
Trowels bricklayers, pointing tuck	1
Trowels plasterers, set	2
Woolwich Store Charge, 26.	
Shovels, universal	2
(MASON'S TOOLS.)	
Woolwich Store Charge, 7.	
Bars, setting	2
Bevels, wood blade, 12-inch	1
Chisels, masons 2½-inch	2
Chisels, masons 2 ,,	3
Chisels, masons 1½ ,,	2
Chisels, masons 1¼ ,,	2
Chisels, masons ribbing	1

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Chest, Tool, Filled, No. 1B (Bricklayer's and Mason's)—*cont.*

Articles.	No.
Hammers, masons — double pick — 8-lbs.	1
Hammers, masons — double pick — 4 „	1
Hammers, masons — mash	1
Hammers, masons — spalling, 4-lbs.	1
Woolwich Store Charge, 8.	
Lines, bricklayers	1
Mallets, masons	1
Pins, line	1
Points, masons	6
Rules — carpenters, common	1
Rules — masons, plumb	1
Trowels, masons	2
The undermentioned are not carried in the Chest, and will be separately demanded, charged, and accounted for.	
(BRICKLAYER'S TOOLS.) *Woolwich Store Charge*, 7.	
Hods, mortar	2
Woolwich Store Charge, 8.	
Levels, wood, 5 feet	2
Sieves, masons	1
Squares, masons	2
(MASON'S TOOLS.) *Woolwich Store Charge*, 8.	
Levels, wood, 10 feet	1
Squares, masons	1

CHEST, TOOL, FILLED, No. 3B.

(Carpenter's, Regimental.)

Packed in Three No. 3 Chests, and forming One Set.

Articles.	No.
Woolwich Store Charge, 7.	
Chests, tool, empty, No. 3	3
Adzes, carpenters — Heads	2
Adzes, carpenters — Handles	2

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Chest, Tool, Filled, No. 3B (Carpenter's, Regimental)—*continued.*

Articles.				No.
Augers	shell	$1\frac{1}{2}$-inch		1
		$1\frac{1}{4}$,,		1
		$\frac{7}{8}$,,		1
		$\frac{3}{4}$,,		1
		$\frac{5}{8}$,,		1
		$\frac{1}{2}$,,		1
	Handles	18 ,,		1
		16 ,,		1
		$13\frac{1}{2}$,,		1
		12 ,,		1
Awls	Blades, brad			12
	Handles, brad	large		6
		small		6
Axes, carpenters, $6\frac{1}{2}$-lbs.				3
,, hand, 3-lbs.				3
Bags, tool, carpenters				3
Bevels, steel blade, 12-inch				3
Braces, carpenters, with 24 bits*				2
Chisels	firmer	$1\frac{1}{2}$-inch		2
		$1\frac{1}{8}$,,		2
		$1\frac{1}{4}$,,		2
		1 ,,		2
		$\frac{3}{4}$,,		2
		$\frac{1}{2}$,,		2
		$\frac{3}{8}$,,		2
		$\frac{1}{4}$,,		2
	hand, cold	$\frac{3}{4}$,, × 8 inches		3
		1 ,, × 8 ,,		3
	mortice	$\frac{1}{2}$,,		3
		$\frac{3}{8}$,,		3
		$\frac{1}{4}$,,		3
	socket	$1\frac{1}{2}$,,		2
		1 ,,		2
		$\frac{3}{4}$,,		2
Compasses, common, 7-inch			pairs.	3

* Detail of bits:—

Braces, carpenters, Bits	centre, $1\frac{1}{8}$, 1, $\frac{7}{8}$, $\frac{3}{4}$, $\frac{5}{8}$, $\frac{1}{2}$, and $\frac{3}{8}$-inch	7
	countersink { flat	1
	countersink { rose	1
	dowling sash	1
	gouge, $\frac{7}{16}$, $\frac{3}{8}$, $\frac{5}{16}$, $\frac{1}{4}$, $\frac{9}{10}$, and $\frac{1}{8}$-inch	6
	nose, $\frac{3}{8}$, $\frac{7}{16}$, $\frac{1}{4}$, $\frac{3}{16}$, and $\frac{1}{8}$-inch	5
	rimer, square	1
	screwdriver	1
	taper	1
		24

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Chest, Tool, Filled, No. 3B (Carpenter's, Regimental)—*continued.*

Articles.	No.
Drivers, screw, G.S. 14-inch	2
Drivers, screw, G.S. 6 „	3
Files, bastard, flat, 14-inch	3
Files, bastard, half-round, 14-inch	3
Files, bastard, half-round, 10 „	3
Files, bastard, round, 14-inch	3
Files, saw, three-square, hand, 5½-inch	3
Files, saw, three-square, tenon, 4 „	3
Gauges, carpenters, cutting	1
Gauges, carpenters, marking	2
Gauges, carpenters, mortice	3
Gimlets, common	6
Gimlets, spike, ⅜-inch	6
Gimlets, spike, ¼ „	6
Gouges, firmer, 1-inch	3
Gouges, firmer, ¾ „	3
Gouges, firmer, ½ „	3
Gouges, pecking, 1-inch	2
Hammers, claw, 28-oz.	2
Hammers, claw, 20 „	1
Hammers, riveting, 24-oz.	1
Hammers, riveting, 8 „	2
Woolwich Store Charge, 8.	
Lines, carpenters	3
Mallets, carpenters	3
Pencils, carpenters	9
Pincers, carpenters pairs	3
Planes, bead	2
Planes, hollows and rounds pairs	2
Planes, jack, double iron	3
Planes, phillister, sash	2
Planes, plough	1
Planes, smoothing, G.S.	3
Planes, trying	2
Pliers, flat nose pairs	2
Pliers, side cutting, 7-inch „	1
Pots, glue, 1-quart	1
Punches, carpenters, large	3
Punches, carpenters, small	3
Rasps, coarse, flat, 12-inch	2
Rasps, coarse, half-round, 12-inch	1
Reels, carpenters line	3

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Chest, Tool, Filled, No. 3B (Carpenter's, Regimental)—*continued.*

Articles.	No.
Rules, carpenters, common	3
Saws { dovetail, brass back	2
Saws { frame, 15-inch	3
Saws { hand, 26-inch	3
Saws { keyhole	3
Saws { tenon, 14-inch	3
Sets, saw, hand	3
Shaves, spoke { 4-inch	2
Shaves, spoke { 3¼-inch	2
Spanners, McMahon, 15-inch	2
Squares, carpenters { 12-inch	3
Squares, carpenters { 9 „	3
Stones, oil, carpenters	3
Woolwich Store Charge, 11.	
Chalk, white .... lb.	¾
Woolwich Store Charge, 25.	
Brushes, paint, sash tool, No. 6	2
The undermentioned is not carried in the Chest, and will be separately demanded, charged, and accounted for.	
Woolwich Store Charge, 7.	
Grindstone, F. S., 18-inch	1

CHEST, TOOL, FILLED, No. 6B.

(Cooper's, Regimental.)

Articles.	No.
Woolwich Store Charge, 7.	
Chests, tool, empty, No. 6	1
Adzes, coopers, notching	1
Chisels, hand, cold, 1 inch × 8 inches	1
Compasses, wing, 12-inch .... pairs	1
Drivers, coopers, kneed	1
Froes (with handle)	1

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Chest, Tool, Filled, No. 6B (Cooper's, Regimental)—*continued.*

Articles.	No.
Hammers { coopers, hand, 3½-lbs.	1
Hammers { riveting, 8-oz.	1
Howels, barrel	1
Jointers, F. S.	1
Woolwich Store Charge, 8.	
Knives { drawing, coopers	1
Knives { hollowing	1
Pincers, carpenters	1 pairs
Planes, jack, double iron	1
Punches, coopers, large	1
Rules, coopers	1
Saws, hand, 26-inch	1
Shaves, coopers, inside, cask	1
Stocks, coopers	1
Stones, oil, carpenters	1

CHEST, TOOL, FILLED, No. 12D.

(Plumber's, Painter's, and Glazier's, Regimental.)

Articles.	No.
Woolwich Store Charge, 7.	
Chests, tool, empty, No. 12	1
Bosses, plumbers { 5-inch	1
Bosses, plumbers { 3 ,,	1
Bosses, plumbers { 1½ ,,	1
Cans, paint { 7½ inches diameter	1
Cans, paint { 7 ,, ,,	1
Chisels, smiths, cold	1
Compasses, wing, 10-inch	1 pairs
Diamonds, glaziers	1
Dressers, plumbers	1
Hammers { glaziers	1
Hammers { plumbers, 3-lbs.	1
Hooks, shave, 1½-inch	1
Irons, soldering, plumbers { 4-lbs.	1
Irons, soldering, plumbers { 1¾ ,,	1

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Chest, Tool, Filled, No. 12D (Plumber's, Painter's, &c.)—*cont.*

Articles.	No.
Woolwich Store Charge, 8.	
Knives { cutting	1
hacking	1
palette, 9-inch	1
stopping	1
Ladles, melting, 1-pint	1
Mallets, plumbers	1
Pipes, blow, 12-inch	1
Pliers { gas .... pairs	1
round-nose .... ,,	1
Pots, melting	1
Rules, glaziers { 2-ft.	1
T, 2-ft. 6-in.	1
Squares, smiths, iron	1
Tongs, gas fitters { 2-inch .... pairs	1
1½ ,, ... ,,	1
1 ,, ... ,,	1
¾ ,, ... ,,	1
½ ,, ... ,,	1
Woolwich Store Charge, 11.	
Bottles, tin, oil, with screw top, 2 quarts	3
Woolwich Store Charge, 25.	
Brushes, paint { ground, 000	3
sash tool { No. 2	1
,, 4	1
,, 6	1

CHEST, TOOL, FILLED, No. 11D.

(Smith's, Regimental.)

Articles.	No.
Woolwich Store Charge, 7.	
Chests, tool, empty, No. 11	1
Bags, tool, farriers	1
Aprons, basil, brown	2
Braces, smiths	1
,, ,, Bits { countersink { flat	1
rose	1
rimer { half-round	1
square	1

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Chest, Tool, Filled, No. 11D (Smith's, Regimental)—*continued.*

Articles.	No.
Callipers, 10-inch .... pairs	1
Chisels { farriers, handled	2
Chisels { smiths, cold	4
Compasses, wing, 10-inch .... pairs	1
Drivers, screw, G.S. { 14-inch	1
Drivers, screw, G.S. { 6 „	1
Files, bastard { flat { 14-inch	1
Files, bastard { flat { 10 „	1
Files, bastard { flat { 8 „	1
Files, bastard { half-round { 14 „	1
Files, bastard { half-round { 10 „	1
Files, bastard { round { 12 „	1
Files, bastard { round { 8 „	1
Files, bastard { rubbers, ½-thick, 16-inch	1
Files, bastard { square { 10-inch	1
Files, bastard { square { 8 „	1
Files, bastard { three-square { 12 „	1
Files, bastard { three-square { 7 „	1
Files, bastard { warding { 5 „	2
Files, bastard { warding { cut on one side, 3½-inch	2
Hammers { farriers { pointing	1
Hammers { farriers { shoeing	1
Hammers { farriers { sledge, 9½-lbs.	2
Hammers { smiths, hand, 3-lbs.	2
Handles, file, middling	16
Woolwich Store Charge, 8.	
Knives { drawing, farriers	1
Knives { searching „	1
Pincers, farriers .... pairs	1
Pliers, flat nose .... „	1
Pokers, smiths	1
Punches, smiths { cold	3
Punches, smiths { hot { ⅝-inch	1
Punches, smiths { hot { ½ „	1
Punches, smiths { hot { ⅜ „	1
Rasps, farriers, 16-inch	1
Saws, cutting metal, 10-inch....	1
Slices, farriers....	1
Spanners, McMahon, 15-inch	1
Stakes, farriers	2
Stamps, farriers	1
Tongs { farriers, turning, small	1
Tongs { smiths forge { large	1
Tongs { smiths forge { small	1

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Chest, Tool, Filled, No. 11D (Smith's, Regimental)—*continued.*

Articles.		No.
Tools, bow drilling	Bows, smiths	1
	Boxes	1
	Breast-plates, smiths	1
	Drills sets	2
	Stocks	1
	Strings, smiths knots	1
Vices, hand, 16-oz.		1

N.B.—Anvils, bellows, and standing vices, being fixtures, are a part of the building.

CHEST, TOOL, FILLED, No. 12c.

(Whitesmith's or Tinman's, Regimental.)

Articles.		No.
	Woolwich Store Charge, 7.	
Chests, tool, empty, No. 12		1
Awls, scoring		1
Chisels, tinman's	1-inch	1
	¼ „	1
Compasses, common, 7-inch	pairs	1
Files, bastard, flat, 12-inch		2
Groovers		1
Hammers, tinman's	creasing, 10-oz.	1
	riveting, 16-oz.	1
Hooks, shave, 1½-inch		1
Irons	creasing, 11-lbs.	1
	soldering, tinman's	2
	Woolwich Store Charge, 8.	
Knives, laboratory		1
Mallets, tinman's		1
Pots, fire, tinman's		1
Rasps; fine, half-round, 12-inch		1
Shears, tinman's, stock		1
Squares, smith's, iron		1

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APPENDIX VI.

(*Referred to in paragraph* 253.)

INSTRUCTIONS FOR THE SUPPLY AND INSPECTION OF RANGEFINDERS FOR CAVALRY AND INFANTRY.

Classification.

1. Rangefinders for supply to Cavalry and Infantry will be classified as follows :—

Class I.—Instruments which satisfy the standard conditions of accuracy, or can be made to do so by repair.

Class II.—Instruments disrated, which are retained for exercise and instruction.

Supply for service.

2. A rangefinder, Class I., will be supplied, as part of their service equipment, to all Cavalry and Infantry units.

Supply for instruction.

3. Cavalry and Infantry units will also be supplied for instructional purposes, with a second rangefinder, Class II.,* of the same pattern as their service instrument.

Class II. not for active service.

4. Class II. instruments will not be taken on active service.

History sheets.

5. History Sheets in duplicate will be made out for each Watkin small pattern rangefinder on the first occasion of issue from store. One copy will be retained by the Commissary-General of Ordnance, and the other will accompany the instrument to which it relates. They will be compared whenever the instrument is returned to store, and the sheets will be carried on to completion, as shown in the specimen, page 134.

Not required for Weldon range-finders.

6. History Sheets will not be required for Weldon rangefinders, but a record will be kept by the Commissary-General of Ordnance, of all the Weldon rangefinders in the Service, according to their numbers, showing their classification and the regiments or battalions to which they have been issued.

Equipment at home to be inspected annually.

7. The rangefinding equipment belonging to units at home will be inspected annually by the Inspector of Musketry of the district. The Inspector will communicate on this subject with Officers Commanding, who will

* The second rangefinder, Class I., which has been issued in some cases for want of Class II., need not be withdrawn.

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send the equipment when required for inspection direct to him at his headquarters, where appliances in the shape of accurately laid out ranges for testing purposes should be provided by the Royal Engineer Department.

To be exchanged if unfit for service.

8. The instruments and equipment will in all cases be returned after inspection to the units to which they belong, and if pronounced unfit for service, will be returned by the Commanding Officer to Ordnance Store for transmission to Woolwich, accompanied by the usual requisitions for exchange.

Commanding Officer to report conditions.

9. When an instrument is sent to the District Inspector of Musketry for inspection, a report on its condition at the time will be made on a half-sheet of foolscap paper, signed by the Officer commanding the regiment or battalion, and if the instrument is a Watkin, will be pinned to its History Sheet. The report will consist of answers to questions in the following form :—

Instrument. { Weldon / or / Watkin } No. , Mark , Class .

If the instrument is a Weldon

- Are the parts and fittings complete, and in good order?
- Is the angle of 90° correct?
- „ „ 88° 51 15′ correct?
- „ „ 74° 53 15′ correct?
- Does the instrument read too long or too short?
- If so, about how many yards per hundred on flat ground?

If the instrument is a Watkin.

- Are the parts and fittings complete and in good order?
- Is the right angle correct?
- Is the horizontal adjustment easily upset by shaking?
- Is the vertical adjustment correct?
- Is the parallelism of the steel and base bars perfect?
- Does it read too long or too short?
- If so, about how many yards per hundred when the base is $\frac{1}{20}$ the range?

If the instrument is a Mekometer

- In what condition are the cords and reels?
- Is the instrument reading correctly?
- If not, how much under or over at 1000 yards with 25 yard base.

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Reports to be sent with

10. When an instrument is returned to Ordnance Store as defective, the Commanding Officer's report on its con-

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dition, together with a further report by the District Inspector of Musketry, will be sent with it. The latter should give the details of the examination, with every particular likely to assist in the discovery of the cause or causes of error. instruments to O. Store.

11. Units serving abroad (India excepted) will put forward demands for the exchange of their rangefinding equipment, as a rule, every two years. The old equipment will be sent home by the local Ordnance Store Officer to the Commissary-General of Ordnance for inspection before reissue. Demands for the exchange of damaged or untrustworthy instruments will be made whenever necessary. Equipment abroad to be exchanged every two years.

12. If an instrument or other article of rangefinding equipment becomes unserviceable, the Officer commanding the unit to which it belongs, should, if at home, call upon the District Inspector of Musketry to examine it, without waiting for the regular period of inspection; if abroad, he should return the article to store forthwith, with a report on its condition, showing how it became unserviceable, and a demand that it should be replaced. Equipment found unserviceable at other periods.

13. All rangefinders and other articles of rangefinding equipment will be examined before acceptance into the Service, before and after repair, and before reissue from store without repair. This examination, which, in the case of repairs of instruments, will include a certificate that the proposed charges are reasonable, and that the instrument is worth the expenditure, will be made by the Instructor, School of Rangefinding, Aldershot, or other competent viewer appointed by the Director of Artillery. Examination by Instructor, School of Rangefinding.

14. Instruments will not be disrated or condemned, except on the recommendation of this examining Officer. Disrating or condemnation.

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HISTORY SHEET.

Sheet No. 261. *Page* 1.

Description—Watkin Field Rangefinder, small. *Number* 387. *Mark* IV. *Manufacturer*—Smith & Son.

Inspection before Acceptance. *Date* 7.1.86.

Signature of Inspecting Officer—X. Y. Z., I.R.F.

Issues and Exchanges.				Inspections.					
Date.	From.	To.	For.	Date.	Occasion.	By whom.	Remarks of Inspecting Officer.	Recommendation.	Signature of Officer who makes the entry.
4.2.86	C.G.O. ...	1st Scots Guards	Service ...	...	...	...	...	...	
...	...	...	...	6.12.86	Annual ...	D. I. M.	Good order	Service.	
...	...	...	...	5.1.87	On report ...	D. I. M.	Clip broken	Exchange for repairs.	
6.3.87	1st Scots Guards	C.G.O. ...	Exchange	...	...	...	...	...	
...	...	...	...	7.4.87	Before repair	I. R. F.	New clip and new regulator	Repair.	
...	...	...	...	30.6.87	After repair...	I. R. F.	Good order; 1 p. c. short	Service.	
*	* *	* *	* *	*	* *	* *	* * * *	* * *	
16.8.96	21st Hussars	C.G.O. ...	Exchange	...	...	...	...	...	
...	...	...	...	1.11.96	Before repair	I. R. F.	Not worth further repair...	Return to store.	
							Condemned as unserviceable, and broken up for sale.		

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APPENDIX VII.

(Referred to in paragraph 317.)

TABLES SHOWING THE MATERIAL, TIME, AND WORKING PAY, ALLOWED FOR PAINTING MISCELLANEOUS CARTS, WAGONS, &c.

N.B.—For Carts, Wagons, &c., special to the Royal Artillery, see Artillery Special Instructions and Details, Part 2.

TABLE A.

Quantity of Material required for repairing bare places and painting one coat, for the following Carts, Wagons, &c.

Description.	Paint prepared.						Putty.		Remarks.
	Lead Colour.		Stone Colour.		Red.				
	lbs.	ozs.	lbs.	ozs.	lbs.	ozs.	lbs.	ozs.	
Woolwich Store Charge, 2.									
Mauls, common *or* iron-hooped	1	0	—	—	—	—	—	—	For Heads only, per dozen, one coat.
Posts, picket, 2½ feet	0	2	—	—	—	—	—	—	
Woolwich Store Charge, 3.									
Carts, ambulance, G.S.	8	8	—	—	—	—	1	0	
Woolwich Store Charge, 4.									
Carts ... ... ammunition, small-arm	*a*	*a*	—	—	—	—	1	2	*a* Brown, 9 lbs. 8 ozs.*
chaise	8	8	—	—	—	—	1	0	
coal...	13	4	—	—	—	—	1	2	
forage	9	8	—	—	—	—	1	2	
forge	9	8	—	—	—	—	1	2	
Gibraltar { large	12	0	—	—	—	—	1	8	
Gibraltar { small	9	0	—	—	—	—	1	2	
hand, common { Mark I.	6	4	—	—	—	—	0	10	
hand, common { ,, II.	6	0	—	—	—	—	0	8	
low, projectile	6	0	—	—	—	—	0	10	
Maltese	6	4	—	—	—	—	0	10	
shot —	12	0	—	—	—	—	1	8	
sling	9	8	—	—	—	—	1	2	
tip, general service	9	8	—	—	—	—	1	2	

* *See* note *, page 137.

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TABLE A—*continued.*

Description.	Paint prepared.						Putty.		Remarks.
	Lead Colour.		Stone Colour.		Red.				
Woolwich Store Charge, 4—continued.	lbs.	ozs.	lbs.	ozs.	lbs.	ozs.	lbs.	ozs.	
Carts ... transport { spring ... ... tip	10	0	—	—	—	—	1	2	
trench	—	—	—	—	3	12	0	12	
water	9	8	—	—	—	—	1	2	
watering { barrel ... ... box	14	4	—	—	—	—	1	8	
Woolwich Store Charge, 3.									
Wagons ... ambulance { equirotal ... ... Mark III, IV, and V...	15	8	—	—	—	—	2	0	
field hospital store	19	8	—	—	—	—	2	8	
pharmacy	10	0	3	0	—	—	1	0	
surgery, spring	15	8	—	—	—	—	2	0	
Woolwich Store Charge, 4.									
Wagons ... ammunition, small-arm (with limber) ...	*b*	*b*	—	—	—	—	1	8	*b* Brown, 13 lbs. 8 ozs.*
bakery	22	8	—	—	—	—	2	12	
bread and meat									
forge { equirotal ... ... lock under	19	12	—	—	—	—	2	4	
	18	12	—	—	—	—	2	4	
general service { equirotal ... ... lock under ... ... Royal Engineer... Mark V, VI, and VII...	16	0	—	—	—	—	2	0	
	15	8	—	—	—	—	2	0	
heavy spring	16	0	—	—	—	—	2	0	
office	15	4	8	0	—	—	2	12	
siege, equirotal...	19	8	—	—	—	—	2	12	
sling (with limber) { 12 tons ... ... 7 ,, ... 6 ,, ...	13	8	—	—	—	—	2	4	
	8	8	—	—	—	—	—	12	
	15	0	—	—	—	—	2	0	
Woolwich Store Charge, 10.									
Jacks, lifting, general service	0	4	—	—	—	—	—	—	

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A.O. 97, 1883.

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TABLE B.

Time and Working Pay allowed for Scraping, Cleaning, and Painting the following Carts, Wagons, &c.

Description.	Scraping and Cleaning.		Painting.			
			Priming, or first Coat.		Stopping, and second Coat.	
	Time.	Amount.	Time.	Amount.	Time.	Amount.
	H. M.	s. d.	H. M.	s. d.	H. M.	s. d.
Woolwich Store Charge, 2.						
Mauls, common, *or* iron-hooped (for Heads only, per dozen, one coat)	—	—	1 45	0 2½	—	—
Posts, picket, 2½ feet	0 10	0 0¼	0 15	0 0¼	0 15	0 0¼
Woolwich Store Charge, 3.						
Carts, ambulance G.S.	6 0	0 6	6 0	0 9	8 0	1 0
Woolwich Store Charge, 4.						
Carts ... ... ammunition, small-arm	5 0	0 5	5 0	0 7½	8 0	1 0
chaise						
coal						
forage	6 0	0 6	6 0	0 9	9 0	1 1½
forge	5 0	0 5	5 0	0 7½	8 0	1 0
Gibraltar large	4 0	0 4	4 0	0 6	7 0	0 10½
Gibraltar small						
hand, common Mark I.	3 0	0 3	3 0	0 4½	4 0	0 6
hand, common ,, II.						
low, projectile						
Maltese						
shot	5 0	0 5	5 0	0 7½	8 0	1 0

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Carts— *continued.*	sling	6 0	0 6	5 0	0 7½	6 0	0 9	
	tip, G.S.							
	transport { spring	6 0	0 6	6 0	0 9	9 0	1 1½	
	transport { tip							
	trench	3 0	0 3	3 0	0 4½	4 0	0 6	
	water	6 0	0 6	5 0	0 7½	6 0	0 9	
	watering { barrel							
	watering { box	8 30	0 8½	8 30	1 0¾	11 0	1 4½	
	Woolwich Store Charge, 3.							
Wagons ...	ambulance { equirotal	15 0	1 3	15 0	1 10½	18 0	2 3	
	ambulance { Mark III, IV, and V.	13 0	1 1	13 0	1 7½	17 0	2 1½	
	field hospital store	16 0	1 4	16 0	2 0	20 30	2 6¾	
	pharmacy	8 0	0 8	8 0	1 0	10 30	1 3¾	
	surgery, spring	13 0	1 1	13 0	1 7½	17 0	2 1½	
	Woolwich Store Charge, 4.							
Wagons ...	ammunition, small-arm (with limber)	9 0	0 9	9 0	1 1½	12 0	1 6	
	bakery	13 0	1 1	13 0	1 7½	17 0	2 1½	
	bread and meat							
	forge { equirotal	16 0	1 4	15 0	1 10½	17 0	2 1½	
	forge { lock under							
	general service { equirotal	13 0	1 1	13 0	1 7½	17 0	2 1½	
	general service { lock under							
	general service { Mark V, VI, and VII. ...							
	heavy spring	13 0	1 1	13 0	1 7½	17 0	2 1½	
	office	15 0	1 3	16 0	2 0	18 0	2 3	
	pontoon	6 0	0 6	6 0	0 9	7 0	0 10½	
	siege equirotal	13 0	1 1	13 0	1 7½	17 0	2 1½	
	sling (with limber) { 12 tons	12 0	1 0	10 0	1 3	14 0	1 9	
	sling (with limber) { 7 ,, ...	10 0	0 10	10 0	1 3	12 0	1 6	
	sling (with limber) { 6 ,, ...	10 0	0 10	8 0	1 0	12 0	1 6	
	Woolwich Store Charge, 13.							
A.O. 92, 1893. **Carriages, field, machine gun**	·303 Maxim (Mark I.) { Cavalry	5 5 0	0 5½	6 30	0 9¾	7 30	0 11¼	
	·303 Maxim (Mark I.) { Infantry	3 0	0 3	3 30	0 5¼	4 0	0 6	
	Nordenfelt, 3-barrel (Mark I.) { Cavalry	5 0	0 5	6 0	0 9	7 0	0 10½	
	also Gardner, 2-barrel { Infantry	5 0	0 5	6 0	0 9	7 0	0 10½	

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TABLE B—*continued.*

Description.	Scraping and cleaning.		Painting.			
			Priming, or first Coat.		Stopping and second Coat.	
	Time.	Amount.	Time.	Amount.	Time.	Amount.
	H. M.	*s. d.*	H. M.	*s. d.*	H. M.	*s. d.*
Woolwich Store Charge, 26.						
Barrows, hand { double	1 0	0 1	1 0	0 $1\frac{1}{2}$	1 15	0 2
Barrows, hand { single	0 45	0 $0\frac{3}{4}$	0 45	0 1	1 0	0 $1\frac{1}{2}$
Barrows, hand { with legs	1 0	0 1	1 0	0 $1\frac{1}{2}$	1 15	0 2
Barrows, stable	1 0	0 1	1 0	0 $1\frac{1}{2}$	1 30	0 $2\frac{1}{4}$
Woolwich Store Charge, 28.						
Carts { tip, Royal Engineer	6 0	0 6	5 0	0 $7\frac{1}{2}$	6 0	0 9
Carts { tool, double, Royal Engineer	15 0	1 3	15 0	1 $10\frac{1}{2}$	19 0	2 $4\frac{1}{2}$
Wagons { air line	9 0	0 9	9 0	1 $1\frac{1}{2}$	12 0	1 6
Wagons { cable, Telegraph	15 0	1 3	15 0	1 $10\frac{1}{2}$	18 0	2 3
Wagons { forge, Royal Engineer	16 0	1 4	15 0	1 $10\frac{1}{2}$	17 0	2 $1\frac{1}{2}$
Wagons { pontoon	6 0	0 6	6 0	0 9	7 0	0 $10\frac{1}{2}$
Wagons { timber, R.E.	5 0	0 5	5 0	0 $7\frac{1}{2}$	6 30	0 $9\frac{3}{4}$
Pontoons	6 0	0 6	10 0	1 3	11 0	1 $4\frac{1}{2}$

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TABLE C.

Quantity of paint allowed for Marking.

Nature of Marking.		No. of Letters, &c.	Quantity of Paint.*	Remarks.
			ozs.	
Letters or figures — Writing	$1\frac{1}{4}$-in. type	200	$1\frac{1}{4}$	1 pint of turpentine per lb. of paint will be allowed for marking purposes.
	$1\frac{1}{8}$ " "	200	1	
	1 " "	200	1	
	$\frac{7}{8}$ " "	200	$\frac{3}{4}$	
	$\frac{3}{4}$ " "	200	$\frac{3}{4}$	
	$\frac{5}{8}$ " "	200	$\frac{1}{2}$	
	$\frac{1}{2}$ " "	200	$\frac{1}{2}$	
	$\frac{3}{8}$ " "	200	$\frac{1}{4}$	
	$\frac{1}{4}$ " "	200	$\frac{1}{4}$	
Letters or figures — Stencilling	$1\frac{1}{4}$ " "	200	$\frac{5}{8}$	
	$1\frac{1}{8}$ " "	200	$\frac{1}{2}$	
	1 " "	200	$\frac{1}{2}$	
	$\frac{7}{8}$ " "	200	$\frac{3}{8}$	
	$\frac{3}{4}$ " "	200	$\frac{3}{8}$	
	$\frac{5}{8}$ " "	200	$\frac{1}{4}$	
	$\frac{1}{2}$ " "	200	$\frac{1}{4}$	
	$\frac{3}{8}$ " "	200	$\frac{1}{8}$	
	$\frac{1}{4}$ " "	200	$\frac{1}{8}$	
Circular spot, 1 inch in diameter		200	3	
Geneva cross	10 in. × 9 in.	10	$2\frac{1}{2}$	These quantities are for white paint, the same quantities are required for Chinese red.
	9 " × 8 "	10	$2\frac{1}{4}$	
	$7\frac{1}{2}$ " × $5\frac{3}{4}$ "	10	$1\frac{3}{4}$	
	6 " × 5 "	10	$1\frac{1}{2}$	
Lines, 1 in. × 3 in.		10	$\frac{1}{4}$	

* Less than $\frac{1}{4}$-lb. paint should not be issued.

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APPENDIX VIII.

(*Referred to in paragraph* 330.)

MATERIALS FOR REPAIR AND PRESERVATION OF ARMS.

I. Materials for Repairing Arms.

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The following tables contain lists of the various parts of arms supplied to the Regular Army, at public expense, for the use of armourer-serjeants. Items required for repair of the arms of units unprovided with armourer-sergeants, will be demanded and accounted for by the officer whose armourer is detailed to perform the work. The parts of interchangeable arms are, as a rule, issued in a finished state:—

Carbines and Rifles, Martini-Henry and Martini-Metford.

TABLE 1.

Description.	Annual proportion for 1000 arms.§							
	Carbines, Martini-Henry.		Carbines, Martini-Metford.					Rifles, Martini-Henry, Mark II.
			Artillery.		Cavalry.			
	Artillery, Mark I.	Cavalry.	Mark II.	Mark III.	Mark I.	Mark II.	Mark III.	
Weedon Store Charge.								
Bands { lower	1	1	...	...	1	1	...	1
Bands { upper	1	1	...	...	1	1	...	1
Blocks { breech	1	1	1	1	1	1	1	1
Blocks { catch, lever	1	1	1	1	1	1	1	1
Bolts, stock	1	1	1	1	1	1	1	1
Caps, nose	...	...	2000	2000	2000	2000	2000	...
Cords, pull-through*	...	6	...	...	6	6	6	...
Covers, back sight	1	1	1	1	1	1	1	1
Extractors	1	1	1	1	1	1	1	1
Guards, trigger	...	...	...	...	...	...	...	3
Holders, rod	2	2	...	...	2	2	...	...
Hooks, fore-end	2	2	2	2	2	2	2	2
Indicators	3	3	3	3	3	3	3	3
Leaves, back sight	1	1	1	1	1	1	1	1
Levers, breech	...	...	4	4	...	...	4	...
Nuts { rod	4	...	...	...	...	...	...	4
Nuts { screw, band, upper	2	2	2	2	2	2	2	2
Nuts { stop								

* With each of the cords that are fitted for wire gauze, a piece of wire gauze will be issued.

§ For other establishments a proportionate allowance will be supplied, fractional results in working out may be taken as whole numbers, and allowance is to be made for any number in possession of the corps.

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Carbines and Rifles, Martini-Henry and Martini-Metford—*continued.*

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TABLE 1—*continued.*

Description.	Annual proportion for 1000 arms.§							
	Carbines, Martini-Henry.		Carbines, Martini-Metford.					Rifles, Martini-Henry, Mark II.
			Artillery.		Cavalry.			
	Artillery Mark I.	Cavalry.	Mark II.	Mark III.	Mark I.	Mark II.	Mark III.	
Pins — axis — back sight	2	2	2	2	2	2	2	2
Pins — axis — block	3	3	3	3	3	3	3	3
Pins — block, catch, lever	1	1	1	1	1	1	1	1
Pins — extractor	1	1	1	1	1	1	1	1
Pins — stop, band — lower	...	...	...	...	...	...	...	1
Pins — stop, band — upper	...	...	...	...	...	...	...	1
Pins — stud, barrel	...	...	1	1	...	...	1	1
Screws — band — lower	4	4	...	...	4	4	...	4
Screws — band — upper	4	4	...	...	4	4	...	4
Screws — bed, back sight	...	...	2	2	2	2	2	2
Screws — bed or spring	4	4	...	...	...	...	...	...
Screws — cap — back sight	4	4	4	4	4	4	4	4
Screws — cap — nose	2	2	2	2	2	2	2	2
Screws — cover, back sight — long	...	3	...	...	3	3	3	...
Screws — cover, back sight — short	...	3	...	...	3	3	3	...
Screws — holder, rod — long	...	...	...	...	...	...	...	1
Screws — holder, rod — short	...	...	...	...	...	...	...	1
Screws — hook, fore-end	4	4	...	...	4	4	...	...
Screws — keeper — indicator	6	6	6	6	6	6	6	6
Screws — keeper — stop-nut	4	4	4	4	4	4	4	4
Screws — plate, butt	1	1	1	1	1	1	1	1
Screws — spring — sight, back	...	...	2	2	2	2	2	2
Screws — spring — trigger	4	4	4	4	4	4	4	4
Screws — swivel — band	...	...	4	4	...	...	...	...
Screws — swivel — trigger-guard†	...	...	...	...	...	...	...	4
Screws — trigger	4	4	4	4	4	4	4	4
Slides, back-sight	3	3	3	3	3	3	3	3
Springs — sight, back	1	1	1	1	1	1	1	1
Springs — block, catch, lever	2	2	2	2	2	2	2	2
Springs — main	10	10	10	10	10	10	10	10
Springs — trigger	6	6	6	6	6	6	6	6
Stocks — butt — long	1	1	1	1	1	1	1	1
Stocks — butt — short	...	...	...	...	...	...	...	1
Stocks — fore-end	2	2	2	2	2	2	2	2
Stops, stud, barrel	...	...	1	1	...	...	1	1
Strikers	15	15	15	15	15	15	15	45
Studs, barrel	...	...	1	1	...	...	1	1
Swivels — band	2	...	2	2	...	...	...	2
Swivels — butt‡	2	...	2	2	...	...	...	2
Swivels — guard, trigger†	...	...	...	...	...	...	...	3
Triggers	3	3	3	3	3	3	3	3
Tumblers	6	6	6	6	6	6	6	6
Washers, bolts, stock	2	2	2	2	2	2	2	2

§ For other establishments a proportionate allowance will be supplied, fractional results in working out may be taken as whole numbers, and allowance is to be made for any number in possession of the corps.

† Not allowed to Rifle battalions.

‡ These proportions are for Rifle battalions only. For other battalions the articles are only issued when required.

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Rifles, Magazine, Lee-Metford.

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Gen. No.
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TABLE 2.

Articles.	Annual proportion per 1000 arms.§ Mark I.*	Mark II.
Weedon Store Charge.		
Bands { lower	3	3
Bands { upper	3	...
Barleycorns, front-sight	30	...
Bends, pointer, dial-sight	5	5
Bolts { breech	25	15
Bolts { stock	1	1
Bottles, oil { stoppers	5	5
Bottles, oil { washers	10	10
Caps, nose	1	1
Cases, magazine	5	5
Catches, magazine	5	5
Cocking-pieces	20	20
Collars, screw, front, trigger-guard	1	1
Cords, pull-through‡	2000	2000
Covers, bolt, breech	5	10
Cut-offs	5	5
Extractors	20	20
Guards { hand	60	40
Guards { trigger	1	1
Heads, bolt, breech	15	10
Leaves, backsight	5	5
Links, magazine	5	5
Nuts { rod	...	5
Nuts { screw, band, upper	30	...
Pins { axis { backsight	5	5
Pins { axis { trap, butt-plate	10	10
Pins { barleycorn, front-sight	20	...
Pins { catch, magazine	10	10
Pins { cover, head, breech bolt	10	...
Pins { spring, platform, magazine	...	5
Pins { stop, band { lower	1	1
Pins { stop, band { upper	1	...
Pins { trigger	5	5
Pivots, sight, aperture	1†	...
Plates, butt	2	2
Platforms, magazine	25	5
Pointers, sight, dial	10	10
Rivets { fore-end	2	2
Rivets { spring, handguard	10	10
Screws { band { lower	5	5
Screws { band { upper	5	...
Screws { bed, backsight	5	5
Screws { cap { backsight	5	5
Screws { cap { nose	5	5
Screws { cover, breech-bolt	75	...

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§ For other establishments a proportionate allowance will be supplied, fractional results in working out may be taken as whole numbers, and allowance is to be made for any numbers in possession of the corps.

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† For rifles of early manufacture that have pivots.

‡ With each of the cords that are fitted for wire gauze a piece of wire gauze will be issued.

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Rifles, Magazine, Lee-Metford—*continued.*

TABLE 2—*continued.*

Articles.			Annual proportion per 1000 arms.§ Mark I.*	Mark II.
Screws	cut-off		10	10
	ejector		15	15
	extractor		20	20
	guard, trigger	back	10	10
		front	5	5
	head, breech-bolt		200	...
	keeper, striker		10	10
	plate, butt		10	10
	sear		10	10
	sight	aperture	10†	10
		dial, fixing	5	5
		dial, pivot	10	10
	spring, cut-off		10	...
	spring, sight, aperture		20	20
	spring, sight, back		5	5
	spring, trap, butt-plate		5	5
	swivel, piling		...	5
	swivel, trigger-guard		5	...
	strap, butt-plate		...	5
Sears			5	5
Sights, aperture			5	5
Slides, sight, back			5	5
Springs	cut-off		5	...
	extractor		40	40
	guard, hand, lower		2	2
	guard, hand, upper		2	2
	link, magazine		200	...
	main		150	150
	platform, magazine		75	25
	retaining, breech-bolt		5	5
	sear		10	10
	sight, aperture		15	15
	sight, back		3	3
	sight, dial		2	2
	trap, butt-plate		10	10
Stocks	butt		5	5
	fore-end		5	5
Strikers			20	20
Swivels	band		5	5
	butt		5‡	5
	guard, trigger		5	...
	piling		20	20
Traps, butt-plate			3	3
Triggers			3	3
Wads, bolt, stock			30	30
Washers	bolt, stock		2	2
	guard, hand, or rivet, fore-end		20	20
	screw, fixing, dial, sight		3	3

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§ For other establishments a proportionate allowance will be supplied, fractional results in working out may be taken as whole numbers, and allowance is to be made for any numbers in possession of the corps.

† For rifles of later manufacture that have screws.

‡ For Rifle regiments and Mounted Infantry only.

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Bayonets and Sword-bayonets for M.H. Rifles and Carbines.

TABLE 8.

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Description.				Annual proportion for 1000 arms.‡ Rifles, Mark II.	Carbines, Artillery.
			Weedon Store Charge.		
Bayonets†	Rings, locking			1	...
	Screws			3	...
Sword-bayonets	Bolts, Martini-Henry	carbine		...	1
		rifle, converted*		4	...
	Grips, Martini-Henry			1	1
	Rivets			8	3
	Screws, spring			2*	2
	Springs, Martini-Henry	carbine		...	1
		rifle, converted*		1	...
	Washers			...	...
Scabbards, bayonet†	Lockets, Martini-Henry			1	...
	Rivets	screwed		700	...
		split		320	...
		T headed		120	...
	Springs	long	Mark I.	15	...
			,, II.	15	...
		short		10	...
	Tips, Martini-Henry			2	...
	Washers	brass		70	...
		iron		10	...
Scabbards, sword-bayonet	Lockets, Martini-Henry	carbine		...	1
		rifle, converted		1	...
	Tips, Martini-Henry			2*	2

* These proportions are for Rifle battalions only. For other battalions the articles are only issued when actually required.

† Not for Rifle regiments.

‡ For other establishments a proportionate allowance will be supplied, fractional results in working out may be taken as whole numbers, and allowance is to be made for any numbers in possession of the corps.

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SWORD-BAYONETS AND SCABBARDS, PATTERN 1888.

54
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5101

TABLE 4.

Articles.			Annual proportion per 1000 arms.§	Remarks.
Weedon Store Charge.				
Sword-bayonets	bolts		15	
	grips	pairs	5	
	nuts, bolt		25	
	rivets, grip	large	10	For sword-bayonets of early manufacture that have 2 small rivets and 1 large.
		small	10	
	springs, bolt, spiral		15	
	washers, rivet, grip	large	20	For sword-bayonets of early manufacture that have 2 small rivets and 1 large.
		small	20	
Scabbards	laces, iron		50	
	lockets		3	
	tips		5	

§ For other establishments a proportionate allowance will be supplied, fractional results in working out may be taken as whole numbers, and allowance is to made for any numbers in possession of the corps.

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Proportion of component parts of Webley pistols allowed for repair. Fractional results may be reckoned as whole numbers.

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4784

TABLE 5.

Description of components.	Percentage allowed on the number of pistols on charge.	Remarks.
Weedon Store Charge.		
Pistols, Webley — catches — barrel	5	Except for an establishment of three pistols or less, the proportion (less any numbers in possession) may be drawn annually. For an establishment of three pistols or less it will only be drawn triennially.
Pistols, Webley — catches — hammer	5	
Pistols, Webley — cups, countersunk, for screw stock	5	
Pistols, Webley — hammers	5	
Pistols, Webley — levers, extractor (with spring and pin)	10	
Pistols, Webley — nuts, screw stock	5	
Pistols, Webley — pawls	10	
Pistols, Webley — pins — joint, axis	10	
Pistols, Webley — pins — spring, extractor lever	10	
Pistols, Webley — pins — swivel butt	10	
Pistols, Webley — screws — axis, cylinder	5	
Pistols, Webley — screws — catch — barrel	10	
Pistols, Webley — screws — catch — hammer	5	
Pistols, Webley — screws — guard, trigger	5	
Pistols, Webley — screws — hammer or trigger	5	
Pistols, Webley — screws — pin, joint, axis	10	
Pistols, Webley — screws — spindle	5	
Pistols, Webley — screws — spring, stop, trigger	5	
Pistols, Webley — screws — stock	5	
Pistols, Webley — screws — swivel, hammer	5	
Pistols, Webley — springs — catch — barrel	10	
Pistols, Webley — springs — catch — hammer	10	
Pistols, Webley — springs — extractor, lever	10	
Pistols, Webley — springs — main	15	
Pistols, Webley — springs — main, auxiliaries	5	
Pistols, Webley — springs — spiral	15	
Pistols, Webley — springs — stop, trigger	15	
Pistols, Webley — stops, trigger	5	
Pistols, Webley — swivels — butt	5	
Pistols, Webley — swivels — hammer	5	
Pistols, Webley — triggers	5	

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Cavalry Swords and Scabbards.

38407 Equipt. 1504 — TABLE 6. Description.	No. per cent. allowed annually.	Remarks.
Weedon Store Charge.		
Swords, grips, cavalry, pattern 1890 (also for pattern 1882 and 1885)	2	N.B.—Any remaining from previous supplies to be allowed for.
Scabbards, sword: linings, cavalry, pattern 1885, Mark I. or Mark II.†	5	†*The pattern of these items for the Mark I. scabbard differs from that for the Mark II., so that Mark I. or Mark II. should be specially demanded according to the pattern of scabbard in possession.*
loops, cavalry, pattern 1885 (*for either Mark I. or II.*) back	5	
loops, cavalry, pattern 1885 (*for either Mark I. or II.*) front	5	
mouthpieces, cavalry, pattern 1885, Mark I. or Mark II.†	2	
screws, mouthpiece, cavalry, pattern 1885 (*for either Mark I. or II.*) ...	10	
tips, shoe, cavalry (*for either Mark I. or II.*)	10	
Wire, armourers, iron, lbs.: No. 9 W.G. soft (*for rivets for grips*)	½	
No. 12 W.G. soft (*for rivets for loops*)	¼	

Lances.

A.O. 58, 1892. — TABLE 7. Description.	No. per cent.
Weedon Store Charge.	
54 — Laces for flags	15
17 Lancers — Protectors, leather, for stave of lance ...	30
730 — Slings	5
Thongs	10

Tubes, Aiming.

38407 Equipt. 1504 — TABLE 8. Description.	Annual supply for: 10 tubes or less.	Annual supply for: From 10 to 20 tubes.	Remarks.
Weedon Store Charge.			
Tubes, aiming: *Components.*			
breechpieces, Martini-Henry (carbine and rifle)*	1	1	N.B.—Any remaining from previous supplies to be allowed for.
screws, breechpiece, Martini-Henry (carbine and rifle)* ...	2	5	
set nuts, Magazine-Lee-Metford rifle†	...	1	**For Martini-Henry tubes only.*
washers, Magazine-Lee-Metford rifle: gunmetal†	...	1	
washers, Magazine-Lee-Metford rifle: leather† ...	2	5	†*For Magazine-Lee-Metford tubes only.*
Appurtenances.			
brushes, cleaning (carbine and rifle)§	1 per 2 tubes	1 per 2 tubes	§*For Martini-Henry and Magazine-Lee-Metford tubes.*
rods, cleaning: carbine*... ...	1	1	
rods, cleaning: rifle§	1	1	

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II. Materials for Browning Arms.

A biennial supply for rifles and carbines in accordance with paragraph 330.

TABLE 9.

Description.	Quantity. 800 arms.	600 arms.	500 arms.	Remarks.
Weedon Store Charge.				
Brushes, hard, armourers	3	2	2	
Woolwich Store Charge, 3.				
Flannel, white ... ... yds.	...	...	...	1 for every 2000 stand of arms.
Woolwich Store Charge, 7.				
Card, scratch ... ... yds.	3	2	1½	
Cloth, emery ... { fine ... ... quires	4	3	2½	
{ middling ... ,,	2	1½	1½	
Dust, bone ... ... lbs.	6	4	3½	
Woolwich Store Charge, 8.				
Paper, glass ... { fine, No. 1½ quires	2	1½	1½	
{ coarse ... ... ,,	2	1½	1½	
Powder, emery, flour ... ... ozs.	16	12	10	
Woolwich Store Charge, 9.				
Spelter, brass ... ... ozs.	8	6	5	
Tin, grain ... ... lbs.	1	1	$\frac{14}{16}$	For soldering.
Woolwich Store Charge, 11.				
Borax, refined ... ... ozs.	8	6	5	
Glue, best town made ... ... ,,	4	3	2½	
Oil *	...	...	...	
Resin, black ... ... ozs.	8	6	5	
Sal-ammoniac, in lumps ... ... ,,	2	1¾	$1\frac{7}{16}$	
Soda, crystal † ... ... lbs.	144	108	90	For cleaning barrels
Miscellaneous Stores.				
Mixture, browning‡	...	...	...	
Sheeting, old ... ... lbs.	24	20	16½	

* The following quantities of oil will be issued for the cleaning, oiling, and preservation of small arms at home stations and in the Dominion of Canada:—

Horse and Field Batteries, Royal Artillery ... ... 5 pints annually.

Regimental Districts.—For every 100 stand of arms in constant use, 6 gallons annually.

Other Services.—For every 100 stand of arms, 6 gallons annually.

At stations abroad, except in the Dominion of Canada, a mixture of oil and mineral jelly will be issued in the following proportions:—

Horse and Field Batteries, Royal Artillery, 6½ pints for each battery per annum.

Other Services.—6 gallons 1 quart for every 100 stand of arms per annum.

The above allowance will include the quantities required for browning, and also for filling the oil bottles.

The following proportions are special to the Straits Settlements for M.H. arms:—7 gallons per 100 stand of arms per annum, and 1 additional gallon per 100 stand for browning, when required.

No oil, except that supplied by the Ordnance Store Department, will be applied to the arms under any circumstances.

The kind of oil to be supplied as above, will be as follows:—"Oil, rifle" for troops armed with ·303 bore arms (*vide* paragraph 7246 List of Changes), and "oil, rangoon" for troops armed with ·45 bore arms.

In the West Indies, West Coast of Africa, Mauritius, Ceylon, and Singapore, arms will be greased 4 times annually with "Composition, preserving arms," between fore-end and barrel. For this service 4 gallons of mixture for every 500 arms per annum will be allowed. At Hong Kong the arms will only be greased in this way twice a year, and 2 gallons of mixture only supplied for 500 stand of arms. At other stations the arms will be greased once a year only, and 1 quart of the mixture for every 100 stand of arms will be allowed.

† 1½ lbs. to each gallon of water. The quantities shown are the maximum allowance, but no more should be used than is actually required to remove the grease.

‡ Browning mixture is supplied in the proportions described in Instructions for the care, repair, and browning, &c., of Arms and Bayonet Scabbards, in the Instructions for Armourers. Charcoal and coal are supplied as laid down in the Allowance Regulations.

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Vocabulary 1718
A.O. 71, 1891.

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2 | 39
43

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Vocabulary 1718

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Gen. No. 3645

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2 W. I. Regt. 959

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Gen. No. 4744

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III. Materials for Cleaning Arms.

57 Vocabulary 1718 54 Gen. No. 4807 A.O. 232, 1892.

An annual supply for rifles and carbines in accordance with paragraph 330.

Oil (see allowance given in Table 9, foot-note *).

Sheeting, old, 2½-oz.	For each Martini-Henry rifle and carbine.
Sheeting, old. 1½ oz.	For each Webley pistol.
Flannelette, 18-inches	For each Lee-Metford magazine rifle and Martini-Metford carbine.

In addition to the above, 10 lbs. of old sheeting will be allowed for the use of the armourer.§

In the case of the Royal Artillery, when arms are examined by the armourer serjeant, he should be provided with $\frac{1}{10}$th of a pint for every 18 stand (or less) of arms, out of the annual allowance of oil.

APPENDIX IX.

(*Referred to in paragraph* 368.)

INSTRUCTIONS FOR THE CARE AND PRESERVATION OF THE LEATHER OF HARNESS AND SADDLERY IN POSSESSION OF TROOPS.

1. With a view to assist Commanding Officers in the preservation of the leather of harness and saddlery in their charge, the following instructions have been prepared and should be observed :— Instructions.

2. Once in every six months the saddlery and harness in possession of the troops will be laid by in dubbing for two or three days. Dubbing to be used.

3. From Friday afternoon until Monday afternoon is a suitable time, if the Saturday intervening be made a saddlery and harness inspection day, so that the Officer immediately responsible may see that the orders are strictly carried out. Time for applying dubbing.

4. In order that the dubbing may be properly applied, the whole of the strapping composing the saddlery and harness should be taken to pieces ; and after the articles Proper application of dubbing.

§ This allowance is common to the Martini-Henry arms, the Lee-Metford, magazine rifles, and the Martini-Metford carbines.

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have been cleaned, and while they are damp from the use of a wet sponge, the dubbing should be lightly rubbed in. It may be applied with a rag, sponge, or brush. Dubbing spreads more uniformly, and is incorporated more thoroughly with the fibres of the leather, if applied when the leather is damped. In the winter months the dubbing might be used warm.

Tallow to be rubbed off.

5. When the dubbing has had time to penetrate the leather, which will be in two or three days, the residue of tallow which will then be found on the surface should be rubbed off, and the article polished up with a cloth or brush. If this is properly done, and only a sufficiency of dubbing has been used, the leather will not soil the hand or glove when handled.

Articles requiring exceptional treatment.

6. Carbine buckets, and seats and flaps of saddles, being of uncurried leather and requiring to be kept stiff, should only be very lightly dubbed *annually*, but occasional soap sponging is necessary to preserve the grain.

Daily use of soap.

7. Soap should be used daily, where articles are in constant use, to produce mellowness in the leather rather than an outward gloss. Officers when inspecting, should handle the straps to ascertain that they are pliable and in good preservation.

Leather to be kept soft.

8. So long as leather remains dry and clean it needs but little attention, beyond receiving a little grease half-yearly; but when wetted, either by rain or by the water necessary to clean it, the leather becomes hard and stiff, if not softened with some oily matter.

Soda not to be used.

9. Leather must not be washed with soda nor soaked in water. Its vitality is quite destroyed by being soaked in hot water, and it will be found afterwards to readily crack when bent. Washing the leather with soap and *luke-warm* water, quickly, and without soaking, will not injure it if the precaution is taken to apply oil, dubbing, or good soap, while the article is slightly damp.

Not to be dried by the fire.

10. Drying the leather by the fire destroys its durable properties, and should be strictly forbidden.

Action of ammonia.

11. Leather articles exposed to the action of ammonia, which is continually given off in stables, become weak and rotten sooner than those not so exposed. But the grease of oil, soap, or dubbing, applied from time to time, penetrates the leather, nourishes it, and fits it to resist the deleterious effects of ammonia in stables, and of atmospheric moisture; it also fills up the fibres, makes the leather more mellow, and increases its tensile strength.

Soft soap to be sparingly used.

12. Soft soap contains an excess of alkali, and should only be sparingly used; if applied too freely it gives the leather a dark and sodden appearance.

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13. Bees-wax and saddle soaps, commonly used in the Service to give a polish to the grain of the leather, are not objectionable, providing good yellow soap is used to the flesh (under) side to keep the leather mellow. Use of bees-wax, &c.

14. Black saddlery leather requires greater care than brown. The best blacking only should be used, to give it a good appearance. Black saddlery.

15. The saddlery harness of sick and young horses, when kept in store, should be properly cleaned, and soaped or dubbed before being stored. The Officer immediately responsible should inspect them monthly. Monthly Inspection.

APPENDIX X.

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(Referred to in Section XIII, Sub-section II.)

INSTRUCTIONS FOR MARKING VEHICLES.

CONTENTS.

	PARAS.
Object of instructions	1
System of marking to be uniform	2
Position of "corps marks"	2, 6
Position of other marks	3
Method of marking	5
Details of corps marks	6
Details of additional marks	3
Abbreviations to be used	6
Distribution of vehicles	7
Alterations of marks on change of station, &c. ..	7

Tables I. to V.

1. These instructions are issued with the object that when required for use on mobilization, every vehicle shall be marked so as to show the title of the unit to which it belongs, the brigade, division, or other formation to which the unit is allotted, and the service for which each vehicle is intended. Object.

2. These marks, called "corps marks," are to be on the same system for all vehicles, and for all branches of the Service. Corps marks, position of.

As a general rule, to be followed in every case so far as the construction of the particular vehicle will admit, corps marks will be on the body of the vehicle, on the *off side*, as far to the front as possible, and low enough to be clear of

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any tarpaulin or other cover. In the case of gun carriages, and other vehicles with limbers, the marking will be on the *off side* of the trail or perch.

Machine-gun carriages will be marked as follows :— 54 Machine gun 19

Carriages, field machine gun,	Infantry,	Nordenfelt, 3 barrel (Mark I), (also Gardner, 2 barrel), off side of iron cover.	
		Maxim, Mark I, ·303 and ·45-inch guns, front plate.	
	Cavalry or Mounted Infantry,	Nordenfelt, 3 barrel (Mark I), (also Gardner, 2 barrel),	off side of framework carrying ammunition.
		Maxim, Mark I., ·303 and ·45-inch guns,	

Other marks not to be mixed up with.

3. In addition to the above-named "corps marks," there are a number of details, chiefly for regimental convenience, marked on most vehicles, such as the nature of gun, number of subdivision, number of wagon, &c. These details are not to be mixed up with the corps marks, and will be placed on the front, rear, or near side, as shown in the details given in Table IV.

Details, where given.

4. The details of the marking are given in the following paragraphs, and the marking of each vehicle is to be kept complete, as far as possible, so as to leave the least possible amount to be done on mobilization.

Drawings.

5. Drawings to illustrate the method of marking, and the correct position of the marks, will be issued, on demand, to Senior Ordnance Store Officers of districts, who will arrange for necessary promulgation to the troops requiring them. The marking of vehicles will be performed by hand-painting, by battery and regimental artificers. In the absence of artificers trained to hand-painting, vehicles will be marked by the Ordnance Store Department. All marking will be in white paint, in letters and numerals, as laid down in Table V.

Off side marking.

6. Every vehicle will bear on the off side (*vide* paragraph 2), the following marks, which generally require three lines :— 40116 4040

First line.—Title of unit, *e.g.*, 2 Leins. R.

Second line.—The brigade or division, &c., to which the unit belongs, *e.g.* (3 Inf. Bde.).

The details of the first and second lines of the marking are given in Table II., and the abbreviations to be used for the titles of units in Table I.

In the case of Cavalry regiments allotted to Army-Corps, and of some other units, such as machine-gun sections, the title of each unit requires two lines.

Third line.—The service for which each vehicle is

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intended, *e.g.*, companies, gun ammunition, small-arm ammunition, &c.

The detail of the "Third line" in the case of units where special instructions are necessary, is given in Table III.

This line shows the service to which each vehicle is appropriated, and the details in Table III. are required in order to specify the marking of particular vehicles of those units which have some in their own charge, and some in charge of the Ordnance Store Department, in mobilization storehouses.

Vehicles to be permanently marked where possible.

7. Since the allotment of most of the units in the Field Army varies from time to time, as units move from station to station in the course of relief, it is not possible to keep all vehicles permanently marked in full, but where this is possible it is always to be done.

Distribution of vehicles.

The extent to which the marking can be completed in anticipation of mobilization depends on the distribution of the vehicles during peace, which is, broadly, as follows :—

Vehicles in charge of units.

(*a.*) Vehicles in charge of units, and forming part of their peace equipment.

These will be kept fully marked, except in the case of batteries of Horse and Field Artillery, the vehicles of which will not be marked with the formation to which the batteries are allotted ; this will be added on mobilization.

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Regimental transport vehicles.

Regimental transport vehicles for Infantry battalions will be marked with an "index number" in addition to and above the corps marks. This index number will be inscribed in a circle thus, (15). A list of stations, barracks,

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and numbers is given in Table VI., page 167.

When vehicles accompany a unit on change of station, or are handed from one unit to another on relief, any necessary changes in the marking will be at once carried out.

Station equipment.

(*b.*) Vehicles forming part of the battery station equipment of Horse and Field Artillery.

These will be kept fully marked, with the exception of the letter or number of the battery, which will be filled in, on mobilization, by the particular battery which then uses the equipment.

Vehicles kept by O.S.D.

(*c.*) Vehicles kept by the Ordnance Store Department in mobilization storehouses to complete the equipment on mobilization of units which exist in peace, and the allotment of which is liable to change in course of relief.

These will be kept fully marked, omitting that part only of the detail in the first line which indicates the actual title of the unit, and the number of the battalion, regiment, &c.

(*d.*) Vehicles kept by the Ordnance Store Department, in mobilization storehouses, for the equipment of units

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which are to be formed on mobilization, or for those units, existing in peace, the allotment of which is not affected by change of station. These units are given in the following list, and the vehicles held for them will be kept marked in full:—

Regimental Staff of Corps Artillery.
Ammunition Columns.
Regimental Staff of Corps Engineers.
"A" Troop, Bridging Battalion, Royal Engineers.
"B" Troop, Bridging Battalion, Royal Engineers.
Telegraph Battalion, Royal Engineers.
Mounted Detachment, Royal Engineers.
Balloon Section, Royal Engineers.
Field Parks, Royal Engineers.
Railway Companies, Royal Engineers.
Volunteer Engineers in the Field Army.
Mounted Infantry.
Mounted Infantry Machine-gun Sections.
Battalions of Militia Infantry in the Field Army.
Militia Infantry Machine-gun Sections.
Army Signallers.
Bearer Companies (including those formed by the Volunteer Medical Staff Corps).
Field hospitals.

(*e.*) Vehicles which are on charge of various corps for local purposes. These will be marked to show the purpose to which they are locally appropriated.

Extra vehicles to be specially marked.

8. Extra vehicles held by the Ordnance Store Department for units in the Field Force for service abroad will be specially marked under orders from Head-Quarters.

TABLE I.

SHOWING the abbreviations to be used in the first line of the marking, which shows the title of the unit.

Unit.	Abbreviations.
A Battery Depôt, Royal Horse Artillery ..	A. Dep. R.H.A.
F Battery, Royal Horse Artillery	F. R.H.A.
1st Battery, 1st Depôt Division, Royal Artillery.	1. 1st Dep. R.A.
5th Field Battery, Royal Artillery.. ..	5. R.A.
1st Mountain Battery, Royal Artillery ..	1 M.R.A.
No. 3 Ammunition Column..	No. 3 Ammn. Col.
Depôt, Royal Engineer Troops	Dep. R.E. Trp.
No. 12 Field Company, Royal Engineers ..	12 Fd. Co. R.E.

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Table I.—*continued.*

Unit.	Abbreviations.
Dragoon Guards (*e.g.* 3rd)	3 D.Gs.
Dragoons (*e.g.* 6th)	6 Dgns.
Hussars (*e.g.* 20th)	20 Hsrs.
Lancers (*e.g.* 5th)	5 Lcrs.
(1st Battalion) Grenadier Guards	1 G. Gds.
(2nd „) Coldstream Guards ..	2 C. Gds.
(1st „) Scots Guards	1 S. Gds.
Infantry Battalions (Regulars and Militia)	Abbreviations to be in accordance with the abbreviations of regimental titles as in Monthly Army List, pages vii.—xi.

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In the case of units not mentioned in this Table, the abbreviations are sufficiently explained in Table II.

TABLE II.

EXAMPLES of the first two lines of the marking alluded to in paragraph 6 of this Appendix.

Unit.	Examples of the first two lines of the marking.
Regiment of Cavalry (with Cavalry Brigade).	* ..
	2 Cav. Bde.
Squadron of Cavalry (with Corps Troops II. A.C.).	No. 1 Squadron.
	* ..
	Corps Troops II. A.C.
Squadron of Cavalry (with Infantry Division).	No. 2 Squadron.
	* ..
	4 Inf. Div.
Machine-gun Section (Cavalry)	* ..
	M-gun Sec.
	4 Cav. Bde.
Regimental Staff, Corps Artillery	Corps Art. Staff.
	III. A.C.
Royal Horse Artillery Battery (with Cavalry Brigade).	* R.H.A.
	3 Cav. Bde.
Royal Horse Artillery Battery (Corps Artillery).	* R.H.A.
	Corps Art. I. A.C.
Field Battery Royal Artillery (with Infantry Division).	* R.A.
	3 Inf. Div.
Field Battery, Royal Artillery (with Corps Artillery).	* R.A.
	Corps Art. II. A.C.

* Letter or number, or designation of Regiment.

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Table II.—*continued.*

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Unit.	Examples of the first two lines of the marking.
Cavalry Brigade Ammunition Column ..	No. 3 Ammn. Col. 3 Cav. Bde.
Corps Troops Ammunition Column ..	No. 16 Ammn. Col. Corps Troops II. A.C.
Regimental Staff, Corps Engineers.. ..	Corps Eng. Staff. II. A.C.
Mounted Detachment, Royal Engineers ..	Mtd. Det. R.E. 2 Cav. Bde.
"B" Troop, Bridging Battalion, Royal Engineers.	B. Pont. Trp. R.E. Corps Eng. II. A.C.
Telegraph Battalion, Royal Engineers ..	Tel. Bn. R.E. Corps Eng. I. A.C.
Balloon Section, Royal Engineers	Balln. Sec. R.E. Corps Eng. I. A.C.
Field Company, Royal Engineers	Fd. Co. R.E. 3 Inf. Div.
1st London Volunteer Engineers	1 London V.R.E. Corps Eng. III. A.C.
Field Park, Royal Engineers	No. 1 Fd. Park R.E. Corps Eng. I. A.C.
Company Mounted Infantry	* Co. Mtd. Inf. 2 Cav. Bde.
Mounted Infantry Machine-gun Section ..	Mtd. Inf. M-gun Sec. 3 Cav. Bde.
Infantry Battalion	* 2 Inf. Bde.
Infantry Battalion (with Corps Troops) ..	* Corps Troops I. A.C.
Machine-gun Section (Infantry)	* M-gun Sec. 3 Inf. Bde.
Company Army Signallers	No. 2 Co. Signallers. Corps Troops II. A.C.
Company, Army Service Corps (with Corps Troops).	* Co. A.S.C. Corps Troops II. A.C.
Company, Army Service Corps (with Infantry Division).	* Co. A.S.C. 2 Inf. Div.
Company, Army Service Corps (with Infantry Brigade).	* Co. A.S.C. 12 Inf. Bde.
Company, Army Service Corps (with Cavalry Brigade).	* Co. A.S.C. 1 Cav. Bde.
Bearer Company (with Infantry Brigade)..	No. 5 Bearer Co. 5 Inf. Bde.
Bearer Company, Volunteer Medical Staff Corps (with Cavalry Brigade).	1 Aberdeen Co. V.M.S.C. Bearer Co. 4 Cav. Bde.
Field Hospital (with Cavalry Brigade) ..	No. 2 Field Hospital 3 Cav. Bde.

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* Letter or number, or designation of Unit.

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TABLE III.

DETAILS of the third line of the marking which indicates the service to which each vehicle is appropriated.

First two lines of the marking which indicate the Unit and the Brigade, Division, &c., of which it forms part.	Last line of the marking.
Regt. 2 Cav. Bde.	On 1 forage cart.—Supply. On 1 forge wagon.—Forge. On 3 G.S. wagons.—Equipment, &c. On 4 G.S. wagons.—No. Squadron.
* No. 1 Squadron. Regt. Corps Troops II. A.C.	On 1 forage cart.—Supply. On 1 G.S. wagon.—No. 1 Squadron. On 1 forge wagon.—Forge.
* No. 2 Squadron. Regt. 4 Inf. Div.	On 1 G.S. wagon.—No. 2 Squadron. On 1 G.S. wagon.—Equipment, &c.
B. Pont. Trp. R.E. Corps Eng. II. A.C.	On 1 forge wagon.—Forge. On 2 G.S. wagons.—Technical. On 3 G.S wagons, including the wagon in O.S.D. charge.—Stores and Supply.
Balln. Sec. R.E. Corps Eng. I. A.C.	On 1 G.S. wagon.—Balloon. On 4 G.S. wagons.—Tubes. On 1 G.S. wagon.—Equipment.
Fd. Co. R.E. 3 Inf. Div.	On 2 forage carts in O.S.D. charge.—Company. On 1 forage cart in R.E. charge.—Supply.
1st London V.E. Corps Eng. III. A.C.	On 2 forage carts in O.S.D. charge.—Company. On 1 forage cart in Regtl. charge.—Supply.

* In these cases three lines are required, as the squadrons are separated.

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Table III.—*continued.*

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First two lines of the marking which indicate the Unit and the Brigade, Division, &c., of which it forms part.	Last line of the marking.
3 Co. Mtd. Inf. 2 Cav. Bde.	On 1 forge wagon.—Forge. On 3 G.S. wagons.—Equipment, &c.
2 Inf. Bde.	In Regtl. charge— On 1 G.S. wagon.—Hd.-Qrs.
Corps Troops I. A.C.	In O.S.D. charge— On 2 G.S. wagons.—Companies. On 1 .G.S. wagon.—Supply.
Co. A.S.C. Corps Troops II. A.C.	In Regtl. charge— On 1 forge wagon.—Forge. On 5 G.S. wagons.—II. A.C. Staff. On 1 G.S. wagon.—Compy. Hd.-Qrs.
	In O.S.D. charge— On 2 forage carts.—II. A.C. Staff. On 1 forage cart.—S.O. Equipt. On 1 G.S. wagon (1st R.O.).—S.O Equipt. On 1 G.S. wagon (1st R.O.).—Supply R.R. On other G.S. wagons.—Supply.
Co. A.S.C. 2 Inf. Div.	In Regtl. charge— On 1 forge wagon.—Forge. On 2 G.S. wagons.—2 Divl. Staff. On 1 G.S. wagon.—Compy. Hd.-Qrs. On 1 G.S. wagon.—S.O. Equipt. On 1 G.S. wagon.—Supply R.R. On 1 G.S. wagon.—Supply.
	In O.S.D. charge— On 1 forage cart.—S.O. Equipt. On 1 forage cart.—No. *Field Hospl. On all G.S. wagons.—Supply.

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* The number to be inserted in each case for the respective Field Hospitals and Bearer Companies.

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Table III.—*continued.*

First two lines of the marking which indicate the Unit and the Brigade, Division, &c., of which it forms part.	Last line of the marking.
Co. A.S.C. 12 Inf. Bde.	In Regtl. charge— On 1 forge wagon.—Forge. On 1 G.S. wagon.—12 Inf. Bde. Staff. On 1 G.S. wagon.—Compy. Hd.-Qrs. On 1 G.S. wagon.—S.O. Equipt. On 1 G.S. wagon.—Supply R.R. On 2 G.S. wagons.—Supply. In O.S.D. charge— On 1 forage cart.—S.O. Equipt. On 1 forage cart.—Compy. Hd.-Qrs. On 1 forage cart.—No. *Bearer Co. On all G.S. wagons.—Supply.
Co. A.S.C. 1 Cav. Bde.	In Regtl. charge— On 1 forge wagon.—Forge. On 1 G.S. wagon.—1 Cav. Bde. Staff. On 1 G.S. wagon.—Compy. Hd.-Qrs. On 1 G.S. wagon.—S.O. Equipt. On 1 G.S. wagon.—Supply R.R. On 2 G.S. wagons.—Supply. In O.S.D. charge— On 1 forage cart (1st R.O.).—S.O. Equipt. On 1 forage cart (1st R.O.).—No. * Bearer Co. On 2 forage carts (2nd R.O.).—Supply. On all G.S. wagons.—Supply.

* The number to be inserted in each case for the respective Field Hospitals and Bearer Companies.

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TABLE IV.

DETAILED Marks, on various vehicles, which are to be in addition to the Corps Marks shown in Tables II and III.

ROYAL HORSE AND FIELD ARTILLERY.

Description of vehicle.	Nature and position of marks.	Examples.
Gun carriages ...	Nature of gun and number of Sub-division on trail, near side.	12-pr.—B.L.—2.
Gun limbers	Title of battery, nature of gun, and number of Sub-division on rear of limber-bed.	A.—R.H.A. 12-pr.—B.L.—2.
Ammunition boxes...	*Of Limbers.*—The nature of ammunition carried, and number of Sub-division, in the left top corner of each box in rear, with the letter W added on wagon limbers, in the right top corner.	12-pr.—B.L.—2. W.
	Of Wagon Bodies.—Marking as for wagon limbers; to be placed on the side of each box that faces outwards (*i.e., front and rear*).	12-pr.—B.L.—3. W.
Gun ammunition wagons.	Nature of gun and number of Sub-division, on perch—near side.	12 pr.—B.L.—2.
Wagon limbers ...	Same as gun limbers.	... ...
Artillery wagons and ammunition and store wagons.	Title of battery, and wagon number in rear centre.	1—R A. No. 2.
Forge wagon, R.A. ...	Title of battery, and the word "Forge" in rear centres of limber box, limber bed, and wagon body.	A.—R.H.A. — Forge.
Store wagon, R.A. ...	As for forge wagon R.A., substituting "Stores" for "Forge."	1—R.A. — Stores.

MOUNTAIN ARTILLERY.

Carriages	On near side of trail	1. M. 2·5-in. R.M.L.
Limbers	On rear of bed	10. M. 7-pr. 200 lbs. R.M.L.
Packsaddlery, cradles	In most convenient position	1. M. "Ammunition." 10. M. "Carriage."

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Table IV.—*continued.*

SIEGE TRAIN.

Description of vehicle.	Nature and position of marks.	Examples.
Gun or howitzer carriages.	The words "Siege Train," the number of the Division* in the train, the nature of the piece, and its number in the Division, on near side of trail or bracket.	Siege Train, No. 4 Divn.* 6·6-in. R.M L. Hr. 4.
Limbers and boxes†	The words "Siege Train," the number of the Division in the train, the nature of the piece, and its number in the Division, on rear of bed.	Siege Train, No. 1 Divn., 40-pr. R.M.L. 1.
	Nature of piece, and its number in the Division on left rear of boxes, close to top.	40-pr. R.M.L. 1.
Forge and store wagons.	The words "Siege Train," the number of the Division in the train, and number of the wagon in the Division, on near side of perch.	Siege Train, No. 1 Divn. 2.
	The word "Forge" (or "Store") and the number in the Division on rear of wagon.	Forge. 1.
Limbers of forge and store wagons.	The words "Siege Train," the number of the Division in the train, the word "Forge" or "Store," and the number of the wagon in the Division, on rear of bed.	Siege Train, No. 1 Divn. Forge. 2.
	The word "Forge" or "Store," and the number of the wagon in the Division, on the rear of the box.	Forge. 2.
Platform wagons ...	The words "Siege Train," and the number of the Division in the train, on front of bed.	Siege Train, No. Divn.
	The word "Gun" (or "Gyn and Stores"), and the number of the wagon in the Division, on rear of bed.	Gun. 2.
Platforms	The words "Siege Train," the number of the Division in the train, and the number of the platform in the Division, on end of platform when packed.	Siege Train, No. 4 Divn. 1.
Trench carts... ...	The words "Siege Train," and the number of the Division in the train, on the front board.	Siege Train, No. 1 Divn.
	The number of the cart in the Division on the tail-board.	2.

* Divisions Nos. 1, 2, and 3 are heavy; Nos. 4, 5, and 6 are medium; and Nos. 7, 8, and 9 are light.

† In the case of spare carriages the word "Spare" will be substituted for the numeral of the carriage or limber.

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Table IV.—*continued.*

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Description of vehicles.	Nature and position of marks.	Examples.
Sling wagons and limbers.	The words "Siege Train," the number of the Division in the train, and the number of the wagon in the Division, on near side of the bed of wagon, and on rear of axletree bed of limber.	Siege Train, No. 1. 2. Divn.
Ammunition and store wagons.	The words "Siege Train," and the number of the Division in the train, on the front board. The nature of the ammunition carried, and the number of the wagon in the Division, on the tail-board.	Siege Train, No. 4 Divn. 6·6-in. R.M.L. Hr. 2.
Triangle gyns ...	The words "Siege Train," the number of the Division in the train, and the number of the gyn in the Division, on the middle part of prypole.	Siege Train, No. 1 Divn. 2.
	Siege Companies.	
Carriages	Title of unit on off side of trail, "Siege Company," and nature of piece on near side of trail.	* E.R.A. Siege Company. 40-pr. R.M.L. 8-in. R.M.L. howitzer.
Limbers	Title of unit, the words "Siege Company," and nature of piece on rear of bed.	..
Ammunition boxes...	Title of unit, the words "Siege Company," and nature of piece, on left rear of each box, close to the top.	...
Ammunition and store wagons.	Title of units, the words "Siege Company," and nature of ammunition carried, on tail-board.	* S.R.A. Siege Company. 40-pr. / 25-pr. } R.M.L. (1). 8-in / 6·6-in. { R.M.L. Howr. (2).
Platform wagons ...	Title of unit, the words "Siege Company," and nature of service.	W.R.A. Siege Company. Gun. Siege Company. Gyn.
Trench cart	Title of unit, and the words "Siege Company," on tail-board.	* E.R.A., Siege Company.

* Number of company.

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Table IV.—*continued.*

Movable Armament.

Description of vehicles.	Nature and position of marks.	Examples.
Gun carriages ...	Nature of piece on near side of trail ...	40-pr. R.B.L. 16-pr. R.M.L.
Ammunition and store wagons.	On front board	"Movable Armament."
Hand carts	On front board	"Movable Armament."
Trench carts... ...	On front board	"Movable Armament."

Miscellaneous Vehicles.

Pontoon and trestle wagons.	Title of unit on centre of front; and on rear centre, the word "Pontoon," "Trestle," "Cable," or "Air Line," according to circumstances, and the wagon number	A. Pont. Trp. R.E. Pontoon. No. 20.
Cable wagon... ...		Tel. Bn. R.E. Air Line. No. 3.
Air-line wagon ...		
Lithographic (or photographic) wagon	Title of unit on centre of front; and on rear centre, the words "Lithographic Office," "Photographic Office," or "Printing Office" ...	No. 1 Fd. Park R.E. Lithographic Office.
Printing wagon ...		
General Service wagon, Royal Engineer.	Title of unit on centre of front; and on rear centre, the word "Stores," and the wagon number.	No. 3 Fd. Co. R.E. Stores No. 4.
Double tool cart, Royal Engineer.	Title of unit and cart number on splinter-bar. Cart number on each shaft. The tool boxes of each double cart will be marked with the letters "A" to "H," and with the cart number.	7 R.E. (4) (4) A. 4 B. 4 &c.
Bakery wagon ...	Title of unit on centre of front; and on rear centre, the words "Bakery" or "Steam Oven," and the wagon number.	No. 6 Co. A.S.C. Bakery No. 6.
Travelling oven ...		No. 7 Co. A.S.C. Steam Oven No. 1.

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Table IV.—*continued.*

	Description of vehicle.	Nature and position of marks.	Examples.
	General Service wagons (all patterns).	Title of unit on centre of front; and on rear centre, the wagon number. N.B.—The word "Forge" to be added in rear, when the wagon is fitted to carry a forge.	No. 5 Co. A.S.C. Supply.
	Ambulance wagon ...	Title of unit on centre of front; and on rear centre, the word "Ambulance," and the wagon number.	No. 3 Brr. Co. M.S.C. Ambulance No. 10.
	Pharmacy wagon ...	Title of unit on centre of front; and on rear centre, the word "Pharmacy," and the wagon number.	No. 5 Field Hospital. Pharmacy No. 2.
40116 4046	Small-arm ammunition carts.	Title of unit on centre of front; and on rear centre, "S.A. Ammn," and the cart number.	1 G. Gds. S.A. Ammn. No. 3.
40116 4046	Intrenching tool carts.	Title of unit on centre of front; and on rear centre, the words "Intrenching Tools."	2 N. Lan. Regt. Intrenching Tools.
	Forage carts (for H.Q., Cavalry Regiments).	Title of unit on centre of front; and on rear centre, the word "Supply."	20th Hsrs. Supply.
	Water carts	Title of unit on centre of front; and on rear centre, the cart number.	No. 5 Co. A.S.C. Water No. 15.
	Forage carts	Title of unit on centre of front; and on rear centre, the cart number.	No. 8 Co. A.S.C. Supply No. 2.
	Ambulance carts ...	Title of unit on centre of front; and on rear centre, the word "Ambulance," and the cart number.	No. 3 Brr. Co. M.S.C. Ambulance No. 10.
	Oven wagon, Grove's	Title of unit on centre of front; and on rear centre, the word "Oven," and the wagon number.	No. 7 Co. A.S.C. Oven No. 3.
	Small-arm ammunition wagon, with limber (Cavalry).	Title of unit on rear of limber, and the "S.A. Ammn.," and the cart number abbreviated in rear centre of limber and wagon.	19th Hsrs. S.A. Ammn. No. 2.

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TABLE V.

SHOWING nature and size of letters and numerals to be used.

Marking.	Nature of letter or numeral.	Size.
		inches.
Number of Army-Corps	Roman numerals	$1\frac{1}{4}$
Other numbers	Gothic numerals	$1\frac{1}{4}$
Initial letter of each word	Roman capital	$1\frac{1}{4}$
Other letters in each word	Roman capitals, or small roman letters.	$\frac{5}{8}$
All letters in abbreviations	Roman capitals, or small roman letters.	$\frac{5}{8}$

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TABLE VI.

Showing "Index numbers" to be used, *see* para. 7 (*a*) of this Appendix.

Station.	Barracks.	Index No.
Preston	Fulwood	2
Woolwich	Cambridge	3
London	The Tower	4
,,	Wellington	5
,,	Chelsea	6
,,	Wellington or Chelsea	7
Plymouth and Devonport	Citadel	8
,, ,,	South Raglan	9
,, ,,	Tregantle	10
Portland	Verne Citadel	11
Aldershot	Barrosa	12
,,	Albuhera	13
,,	Maida	14
,,	Corunna	15
,,	Oudenarde	16
,,	Ramillies	17
,,	Tournay	18
,,	Mandora	20
,,	Blenheim	19
,,	Malplaquet	1
,,	Salamanca	21
,,	Talavera	22
,,	Badajos	23
Gosport	The Barracks	24
Portsmouth	Anglesey	25
Woking	Inkermann	26
,,	,,	27
Belfast	Infantry	28
,,	Grand Depôt	29
Mullingar	The Barracks	30
Tipperary	Infantry	31
Cork	,,	32
,,	,,	33
Fermoy	Old Infantry	34
,,	New ,,	35
Dublin	Wellington	36
,,	Beggar's Bush	37
,,	Ship Street	38
,,	Richmond	39
,,	Royal	40
Curragh	C Square	41
,,	D ,,	42
,,	H ,,	43
Colchester	Hut Camp	44
,,	,,	45
,,	,,	46
Warley	Depôt	47
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Manchester	Salford	49
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